

# MUSCLE & NERVE

## SUBJECT INDEX TO VOLUME 14

This index gives the first author (in parentheses) and the first page of the article, abstract, or letter in which the indexed subject occurs. The reader is referred to the author index for the full title and the following code: A = abstract, L = letter.

### A

- A8 fibers (Kakigi) 1193
- Abductor digiti minimi muscle (Arasaki) 647
- Abstracts of poster and platform presentations: 38th annual meeting: American Association of Electrodiagnostic Medicine Vancouver, Canada, September 25-28, 1991 (Chaudhry) 873
- Acetylcholine contractures (Hofmann) 748
- Acetylcholine receptor (Wetzel) 1003
- Acetylcholinesterase inhibition (Besser) 1197
- Acid maltase deficiency 887
- Acid maltase deficiency (Usuki) 245
- Acoustic neuroma 877-A
- Actin filament (Miyatake) 113
- Action potential (Dumitru) 605
- Action potentials (Franke) 762
- Activated cell sorting (Krieger) 14
- Acute areflexic paralysis 920-A
- Acute postganglionic dysautonomia (Sohn) 474-L
- Acylcarnitine (Arenas) 598
- Adrenomyeloneuropathy 887-A
- Adenosine triphosphate resynthesis 916-A
- Advanced myopathy 916-A
- Afferent fiber grouping (Hallin) 157
- Afferent fibers (Fisher) 120
- Aging (Sipilä) 527
- ALS
  - (Behnia) 1236
  - (Dantes) 416
  - (Kawai) 342
- Amyloidotic polyneuropathy (Sales-Luis) 377-L
- Amyotrophic lateral sclerosis 875-A, 876-A
  - (Iijima) 1110
  - (Lamb) 1021
  - (Pestronk) 927
  - (Shefner) 1242
  - (Sirdofsky) 977
- Anconeus muscle (Maselli) 1189
- Angioid streaks of the retina (Lawrence) 1036-L
- Anomalies (Phillips) 1213

- Anomalous sensory innervation (Valls-Sole) 1099
- Anterior lateral compartment (Brown) 237
- Anticholinesterase medications (Bosch) 1036-L
- Anticholinesterases 914-A
- Antidromically conducted potentials 900-A
- Antiglycolipid antibodies (Pestronk) 927
- Argon laser stimulation (Arendt-Nielsen) 508
- Arterial occlusion (Lachance) 633
- Arterial pressure (Benarroch) 1165
- Arthrogryptic infant 897-A
- Artificial intelligence 921-A
- Atherosclerosis (Lachance) 633
- Athletes (Arenas) 598
- Atrophy (Holy) 70
- Autograft (Anderson) 268
- Autoimmune (Lamb) 1021
- Autonomic function (Ingall) 1080
- Autonomic nervous system (Soldiers) 1074
- Autosomal recessive muscular dystrophy (McGuire) 1209
- Axon loss (Brown) 237
- Axonal degeneration (Kennett) 553, 960
- Axonal neuropathy (Lachance) 633
- Axonal (Van Der Meché) 997
- Axons (Gordon) 640

### B

- $\beta$ -hydroxyacyl-CoA dehydrogenase (Verity) 435
- $\beta$ -oxidation (Verity) 435
- Becker muscular dystrophy (Kaido) 1067
- (Wessels) 1
- Bereitschaftspotential 895-A
- Biceps 893-A
- Bopsy (Lexell) 826
- Bipolar recording (Winkler) 133
- Blink reflex (Hopf) 326
- Borrelia burgdorferi infection (Oey) 375-L
- Botulinum toxin (Lange) 672

- Botulinum toxin 915-A
- Brachial plexopathy 898-A
- Bupivacaine (Orimo) 515

### C

- C fiber characteristics (Hallin) 157
- Calcaneal nerve (Dumitru) 665
- Calcium (Nakamura) 701
- Calcium sensitivity (Holy) 70
- (Ruff) 1219
- Calcium-activated neutral protease (Nakamura) 701
- Calcium-tension relationships (Ruff) 838
- Calf enlargement 889-A
- Calpain (Nakamura) 701
- Calpastatin (Nakamura) 701
- Carbohydrate storage disease (Cafferty) 102
- Cardiovascular reflexes (Ingall) 1080
- Carnitine (Arenas) 598
- (Verity) 435
- Carnitine palmityl transferase (CPT) deficiency (Scott) 676-L
- Carotid endarterectomy 877-A
- Carpal tunnel syndrome 901-A, 902-A, 903-A, 904-A, 905-A (Arendt-Nielsen) 508
- (Chang) 1173
- (Martinez) 183-L
- (Uncini) 184-L
- (Valls-Sole) 1099
- Cat (Eerbeek) 422
- Catchlike property (Binder-Macleod) 850
- Cell culture (Krieger) 14
- Cerebral hemorrhage (Palmer) 124
- Cerebral palsy 896-A
- Cervical spondylosis (Lamb) 1021
- Cervical spondylotic myelopathy 889-A
- Charcot-Marie-Tooth disease (Ingall) 1080
- (Kakigi) 441
- Cholinergic crisis (Bosch) 1036-L
- Chronic stimulation (Eerbeek) 422
- Cisplatin neuropathy 913-A
- Classification (Udd) 1050

CO<sub>2</sub> laser (Kakigi) 1193  
 CO<sub>2</sub> laser stimulation (Kakigi) 441  
 Colchicine myopathy-neuropathy 919-A  
 Cold agglutinin disease (Thomas) 331  
 Cold injury (Kennett) 553  
 Cold injury, non-freezing injury (Kennett) 960  
 Collision method (Arasaki) 647 (Iijima) 1110  
 Collision technique (Valls-Sole) 1099  
 Complement C3 (Orimo) 515  
 Compound motor action potentials (Swenson) 1033-L  
 Compound motor order potentials (Donofrio) 1034-L  
 Compound muscle action potential 884-A  
 Computer EMG (Galea) 1123  
 Concentric needle (Chan) 1028  
 Concentric needle electrode (Nandedkar) 108  
 Conditioning stimulation (Fisher) 120  
 Conduction block 884-A (Abu-Shakra) 858 (Brown) 237 (Cornblath) 185-L, 869 (Metral) 185-L (Naganuma) 953  
 Conduction studies (Kennett) 960  
 Conduction velocities 882-A  
 Conduction velocity (Kakigi) 1193 (Shefner) 534  
 Congenital myopathies 918-A  
 Congenital myopathy (Linssen) 829  
 Contraction (Petajan) 489  
 Contraction measurements (Költgen) 775  
 Contraction velocity (Ruff) 1219  
 Cortical inhibition 894-A  
 Corticosteroids (Danon) 1131  
 Cramps 917-A  
 Craniectomy (Harper) 213  
 Cricopharyngeal muscle (Verma) 470  
 Crow-Fukase syndrome (Kakigi) 441  
 Cubital tunnel syndrome (Campbell) 733 (Miller) 97  
 Cutaneous silent period 901-A  
 Cytomegalovirus polyradiculopathy (Beydoun) 575-L

## D

Dantrolene (Bertorini) 503  
 Data interpretation, statistical (Lexell) 826  
 Decompression surgery (Oh) 398  
 Dementia 874-A  
 Demyelinating neuropathies (Swenson) 1033-L  
 Demyelinating polyradiculoneuropathy 921-A  
 Demyelinating neuropathy 893-A, 908-A chronic multifocal (Naganuma) 953  
 Demyelination (Bromberg) 968 (Oomes) 1013 (Shefner) 534  
 Denervation (Anderson) 268

(Gunreben) 654 (Hofmann) 748 (Mihelin) 739 (Wetzel) 1003  
 Dermatomyositis (Fujino) 716  
 Dexamethasone (Usuki) 245  
 Diabetes (Abu-Shakra) 858  
 Diabetes mellitus 890-A (Kennedy) 1231 (Robinson) 1084  
 Diabetic neuropathy 890-A, 891-A, 911-A  
 Diabetic radiculopathy 889-A  
 Diaphragm (Jammes) 27  
 Diaphragm muscle (Wetzel) 1003  
 Diaphragmatic fatigue (Baer) 1034-L (Jammes) 1035-L  
 Digital nerve (Chang) 1173  
 Dip analysis 920-A  
 Disease affecting the hand 921-A  
 Dissociated muscle fibers (Költgen) 775  
 Distal myopathy (Udd) 1050  
 Dorsal nerve of penis (Clawson) 845  
 Dorsal ramus myotome 887-A  
 Drug abuse (Vishnubhakata) 22  
 Duchenne muscular dystrophy (Bertorini) 503 (Kawai) 342 (McCully) 1091 (McGuire) 1209 (Miyatake) 113 (Partridge) 197 (Smith) 462 (Wakeford) 42 (Weller) 771 (Wessels) 1  
 Dysarthria (Palmer) 124  
 Dysautonomia syndrome 908-A  
 Dysphagia (Verma) 470  
 Dystrophic mice (Greaves) 543  
 Dystrophin 918-A (Bornemann) 1177 (Carpenter) 577-L (Huard) 178 (Kaido) 1067 (McGuire) 1209 (Miyatake) 113 (Wakayama) 576-L  
 Dystrophin localization (Wessels) 1

## E

Eccrine sweat gland 912-A  
 EDL (Anderson) 268  
 Electric current (Baer) 1034-L (Jammes) 1035-L  
 Electrical injury (Sirdofsky) 977  
 Electrical stimulation (Binder-Macleod) 850  
 3-Electrode voltage clamp (Franke) 762  
 Electrodagnosis (Behnia) 1236 (Bromberg) 968 (Dumitru) 665, 981 (Robinson) 310 (Rodriquez) 429  
 Electromyogram (Leis) 1202  
 Electromyographic crosstalk 894-A

Electromyography 881-A (Barry) 937 (Chan) 1028 (Christiansen) 786-L (Dumitru) 605 (Franke) 762 (Gunreben) 654 (Haig) 521 (Lachance) 633 (London) 457 (Palmer) 124 (So) 787-L, 1159 (Sucher) 785-L (Zwarts) 756  
 Electromyographic assessment of pelvic floor 909-A  
 Electromyography equipment (Barry) 937  
 Electromyography, principles (Daube) 685  
 Electromyography risk management 900-A  
 Electronics (Barry) 937  
 Electron-microscopic cytochemical study (Carpenter) 577-L (Wakayama) 576-L  
 Electrophysiologic abnormalities (Vishnubhakata) 22  
 Electrophysiological methods (Martinez) 183-L (Uncini) 184-L  
 Electrophysiology (Abu-Shakra) 858 (Cafferty) 102 (Laguery) 51 (Oomes) 1013  
 EMG (Behnia) 1236 (Robinson) 310 (Stålberg) 293 (Van Der Meché) 997  
 EMG electrodes 901-A  
 End-plate (Maselli) 1182  
 Enterovirus (So) 1159  
 Entrapment neuropathy (Oh) 407  
 Eosinophilia myalgia syndrome 886-A  
 Erectile dysfunction 909-A  
 Erythrocyte of myotonic dystrophy (Kuwabara) 57  
 Evoked potentials (Solders) 1074  
 Exercise (Arenas) 598 (Sipilä) 527  
 Exercise-induced muscle injury (McCully) 1091  
 Extensor digitorum brevis (Brown) 237  
 External recording (Eerbeek) 422  
 Extracellular matrix (Hoh) 398

## F

'F' motor units 875-A  
 F wave (Chang) 990 (London) 457  
 F-wave parameters in neuropathies 912-A  
 F waves (Fisher) 120  
 Facial neuropathy 877-A  
 Fasciculations 917-A  
 Factor analysis 910-A

Familial amyloidotic polyneuropathy (Sales-Luis) 377-L  
 Far-field potentials (Dumitru) 981  
 Fascicle (Pernu) 304  
 Fatigue 885-A, 920-A  
 (Binder-Macleod) 850  
 (Robinson) 563  
 Femoral neuropathy 907-A  
 Fiber density (Torbergson) 35  
 Fiber type analysis (Kaido) 1067  
 Fiber types  
 (Hoh) 316  
 (Pernu) 304  
 Fibrillation potentials (Robinson) 310  
 Flexor carpi, sparing of  
 (Campbell) 678-L  
 (McCoy) 677-L  
 Flexor carpi ulnaris (Campbell) 733  
 Fluorescence (Krieger) 14  
 Focal movement 874-A  
 Focal myositis 889-A  
 Focal neuropathies 881-A  
 Force measurement (Nandedkar) 8  
 Forced expiration (Benarroch) 1165

## G

Glucocorticoids (Weller) 771  
 Glycogen storage diseases 887-A  
 Glycolysis (Kuwabara) 57  
 GM1 ganglioside  
 (Lamb) 1021  
 (Pestronk) 927  
 Graft (Partridge) 197  
 Guillain-Barré  
 (Oomes) 1013  
 (Van Der Meché) 997  
 Guillain-Barré syndrome 892-A, 893-A  
 (Kleyweg) 1103  
 (Freston) 378-L  
 (Gutmann) 1043

## H

Hamster (Nakamura) 701  
 Hand innervation 881-A  
 Handcuff neuropathy 905-A  
 Haplotyping, RFLP (Nokelainen) 451  
 Heart rate (Benarroch) 1165  
 Heat shock proteins (Martin) 219  
 Height, effect on nerve conduction interpretations  
 (Letz) 479-L  
 (Rivner) 480-L  
 Hemifacial spasm (Harper) 213  
 Hemolytic anemia (Thomas) 331  
 Hereditary motor and sensory neuropathy (Ingall) 1080  
 Hereditary motor neuropathy 891-A  
 Heterochromatic leukodystrophy, adult  
 (Baquis) 784-L  
 Hindlimb suspension (Anzil) 358  
 Histochemical fiber type (Ruff) 1219  
 Histochemistry (Pernu) 304  
 Histology, morphometry (Mackinnon) 1116  
 HIV neuropathy (Beydoun) 575-L  
 HMSN I (Solders) 1074  
 Hodgkins lymphoma 913-A  
 H-reflex (Leis) 1202

Human development (Wessels) 1  
 Human immunodeficiency virus 885-A  
 Human nerve response (Winkler) 1141-L  
 Human nerves responses (Daube) 1140-L  
 Human quadriceps (Binder-Macleod) 850  
 Humoral autoimmunity (Oomes) 1013  
 Hybridization (Huard) 178  
 Hydrocephalus 896-A  
 Hyperplexia 894-A  
 Hypertriglyceridemia, in CPT (Scott) 676-L  
 Hypertrophic mononeuropathy (Phillips) 335  
 Hypertrophic neuropathy 906-A  
 Hypertrophy (Kennedy) 166  
 Hypophosphatemia 920-A

## I

Iliocostalis (Haig) 521  
 Immobilization (Robinson) 563  
 Immunoblotting (Greaves) 543  
 Immunocytochemistry  
 (Bornemann) 1177  
 (Hoh) 398  
 Immunoelectron microscopy (Kawai) 342  
 Immunohistochemistry  
 (Kawai) 342  
 (Orimo) 515  
 (Wessels) 1  
 Immunosuppression (Weller) 771  
 Impotence (Clawson) 845  
 Inclusion body myositis (Verma) 470  
 Inflammatory cells (Orimo) 515  
 Inflammatory polyneuropathies 892-A  
 Innervation  
 (Petajan) 489  
 (Phillips) 1213  
 INO (Hopf) 326  
 Insulin receptor (Hofmann) 748  
 Interference pattern  
 (Nandedkar) 8, 108  
 Interosseous neuropathy 878-A  
 Intracellular recordings (Költgen) 775  
 Intracerebral hematoma 894-A  
 Intrafamilial variation (Udd) 1050  
 Intraneural injection (Oomes) 1013  
 Inward rectification (Gordon) 640  
 Ischemic conduction failure 912-A  
 Ischemic neuropathy (Lachance) 633  
 Isolated diffuse abnormal insertional activity 919-A  
 Isolated population (Nokelainen) 451

## J

Jaw-closing muscle (Hoh) 316, 398  
 Jitter  
 (Chaudhry) 1227  
 (Lange) 672

## L

Lambert-Eaton myasthenic syndrome 913-A, 915-A  
 (Chaudhry) 1227  
 (Squier) 625  
 (Trontelj) 226

Lambert-Eaton syndrome 914-A  
 (Breen) 863  
 Laryngeal electromyography 883-A  
 Late response (Gerr) 1059  
 Lightning (Sirdofsky) 977  
 Limb-girdle (Udd) 1050  
 Limb-girdle dystrophy (McGuire) 1209  
 Linkage disequilibrium (Nokelainen) 451  
 Lipid myopathy (Verity) 435  
 Lithium 917-A  
 Lithium intoxication  
 (Moore) 578-L  
 (Vanhooren) 578-L  
 Long-distance runners (Arenas) 598  
 Longissimus (Haig) 521  
 Lower-extremity sensory nerve techniques 899-A  
 Lower limb axonal neuropathy 911-A  
 Lumbosacral spinal stenosis 890-A  
 Lymphocyte subsets (Ijichi) 574-L

## M

Macro EMG  
 (Jabre) 820  
 (Torbergson) 35  
 Magnetic brain stimulation (Solders) 1074  
 Magnetic resonance imaging  
 (Fujino) 716  
 (Naganuma) 953  
 Magnetic resonance spectroscopy  
 (McCully) 1091  
 Magnetic stimulation (Zhu) 721  
 Malignant schwannoma (Yasuda) 812  
 Martin-Gruber anastomosis (Valls-Sole) 1099  
 Masseter reflex (Hopf) 326  
 mdx (Anderson) 268  
 mdx DMD model (Wakeford) 42  
 mdx dystrophy (Weller) 771  
 mdx mouse (Huard) 178  
 Measuring muscle fibers (Lexell) 476-L  
 Medial brachial fascial compartment syndrome 899-A  
 Medial longitudinal fasciculus (Hopf) 326  
 Median nerve 881-A  
 (Chang) 1173  
 (Valls-Sole) 1099  
 Median nerve organization (Hallin) 157  
 Median neuropathy (Shields) 370  
 Meralgia paresthetica (Laguery) 51  
 Methylprednisolone therapy (Preston) 378-L  
 Microscopy (Lexell) 826  
 Minicore-multicore myopathy  
 (Penegres) 411  
 Mitochondria loss (Anzil) 358  
 Mitochondrial myopathy  
 (Pauzner) 947  
 (Torbergson) 35  
 Modality segregation (Hallin) 157  
 Monitoring (Stålberg) 293  
 Mononeuropathy (Phillips) 335  
 Monopolar EMG electrodes (Nandedkar) 108  
 Monopolar needle (Chan) 1028  
 Motoneuron (Krieger) 14  
 Motoneuron excitability 876-A

Motor and sensory neuropathy, hereditary (Oh) 85-L (Chad) 86-L

Motor conduction velocity (Arasaki) 647 (Iijima) 1110

Motor end-plates (Trontelj) 226

Motor evoked potential (Chang) 990

Motor neuron (Pestronk) 927

Motor neuron disease 886-A (Sirdofsky) 977 (So) 1159

Motor neuron pool excitability (Fisher) 120

Motor neuropathies (Pestronk) 927

Motor unit (Robinson) 563 (Shahani) 64 (Torbergson) 35

Motor unit count 876-A

Motor unit estimates (Dantes) 416 (Galea) 1123

Motor unit numbers (McComas) 585

Motor unit "marking" (Jabre) 820

Motor unit potential (Chan) 1028

Motor unit potentials (Jabre) 820 (McComas) 585 (Nandedkar) 108

Motor unit recruitment (Petajan) 489

Movement-related potentials 895-A

MRI (Fujino) 716

Multifidus (Haig) 521

Multifocal conduction block (Oey) 375-L

Multiple sclerosis (Gutmann) 1043 (Naganuma) 953

Murine muscles (Hofmann) 748

Muscle afferent (Zhu) 721

Muscle biopsy clamp (Siegel) 85-L

Muscle cell culture (Huard) 178

Muscle contraction (Binder-Macleod) 850

Muscle cramps (Puniani) 280

Muscle disorders (Gunreben) 654

Muscle fatigue (Jammes) 27

Muscle fiber conduction velocity (Linssen) 829

Muscle fiber propagation velocity (Mihelin) 739

Muscle fiber types (Squier) 625

Muscle force 884-A

Muscle glycogenosis 886-A

Muscle histochemistry (Kaido) 1067

Muscle length, optimum (Eerbeek) 422

Muscle metabolism (McCully) 1091

Muscle propagation velocity 920-A

Muscle-relaxant drug therapy 916-A

Muscle regeneration (Anderson) 268 (Bornemann) 1177 (Hoh) 316, 398

Muscle spasm 919-A

Muscle spindle (Leis) 1202

Muscle strength (Kleyweg) 1103 (Rodriguez) 429 (Smith) 462

Muscle tremor (Zwarts) 756

Muscle twitch (Eerbeek) 422

Muscular dystrophy 918-A (Huard) 178 (Kawai) 342 (Kennedy) 166 (McCully) 1091 (Mihelin) 739 (Nakamura) 701 (Pauzner) 947 (Udd) 1050

Muscular pain fasciculation syndrome 911-A

Musculocutaneous neuropathy 879-A

M-wave (Fenton) 79

Myalgias (Gilchrist) 233

Myasthenia gravis 915-A (Breen) 863 (Chaudhry) 1227 (Jablecki) 391 (Maselli) 1189 (Trontelj) 226

Myasthenia gravis acetylcholinesterase inhibition (Gutmann) 86-L

Myasthenic syndrome (Breen) 863

Myelinated fibers (Yarnitsky) 379-L

Myeloneuropathy (Vishnubhakata) 22

Myelopathy (Pullman) 709

Myoblast (Partridge) 197

Myoclonus (Palmer) 124

Myofiber degeneration (Wakeford) 42

Myofibers (Ward) 259

Myofibrillar disruption (Anzil) 358

Myofilament (Holy) 70

Myogenesis (Ward) 259

Myogenic cell line (Usuki) 245

Myoglobin (Kawai) 342

Myokomia (Gutmann) 1043

Myonecrosis (Kaido) 1067 (Orimo) 515

Myopathy (Danon) 1131 (Gilchrist) 233 (Martin) 219 (Partridge) 197 (Penegres) 411 (Stålberg) 293

Myosin (Danon) 1131 (Kennedy) 166

Myotonia (Puniani) 280

Myotonic dystrophy 909-A (Fenton) 79 (Kawai) 342 (Nokelainen) 451

Myotonic runs (Franke) 762

Myotubes (Baker) 348

## N

NA pump (Kuwabara) 57

Natural history (Penegres) 411

Necrosis (Baker) 348 (Weller) 771

Necrotizing vasculitis (Cornblath) 185-L (Metral) 185-L

Needle control 885-A

Needle electrode impedances 917-A

Needle examination (Daube) 685

Neonatal flail limb 898-A

Nerve action potentials (Winkler) 133

Nerve compression syndromes (Campbell) 733

Nerve conduction (Brown) 237 (Robinson) 1084 (Thomas) 331

Nerve conduction interpretations (Rivner) 381-L (van Dijk) 380-L

Nerve conduction studies 910-A (Harper) 213 (Kennett) 553 (Shefner) 1242

Nerve conduction study (Oh) 407 (So) 1159

Nerve conduction velocity (Denys) 795 (Gerr) 1059

Nerve fiber (Mackinnon) 1116

Nerve regeneration (Mackinnon) 1116

Nerve repair (Mackinnon) 1116

Nerve stimulation (Jammes) 27

Neural conduction (Chang) 1173 (London) 457 (Solders) 1074

Neural influence (Hoh) 316

Neurofibroma (Yasuda) 812

Neurofibromatosis 886-A

Neurofibromatous neuropathy (Palmowski) 478-L

Neurogenic claudication (London) 457

Neurography (Winkler) 133

Neurologic examination (Kennedy) 1231

Neuromuscular blockade 916-A

Neuromuscular blocking agents (Költgen) 775

Neuromuscular diseases (Rodriguez) 429

Neuromuscular disorders 920-A

Neuromuscular irritability (Puniani) 280

Neuromuscular junction (Wetzel) 1003

Neuromuscular transmission (Besser) 1197 (Denys) 795 (Maselli) 1182, 1189

Neuropathy (Abu-Shakra) 858 (Lamb) 1021 (Oh) 152 (Shefner) 534 (Thomas) 331 (Torbergson) 35

Neuropathy at the wrist 905-A

Neuropathy, supermarket (Ortiz-Ardan) 785-L

Neurotoxicity (Vishnubhakata) 22

Neurotrophism (Hofmann) 748

NGF receptor (Yasuda) 812

Nitrous oxide (Vishnubhakata) 22

NMR (Kuwabara) 57

Noninvasive monitoring (Benarroch) 1165

Normal values (Nandedkar) 8

**O**

Obstetrical paralysis 898-A

Oculomyopathy (Pauzner) 947

Oculopharyngeal muscular dystrophy (Pauzner) 947  
Onset motor latency 884-A  
Ophthalmoplegia 918-A  
Ophthalmoplegia (Breen) 863  
Organ culture (Wetzel) 1003  
Organophosphate (Maselli) 1182  
Organophosphates (Besser) 1197  
Origin-defective SV40 DNA (Usuki) 245  
Orofacial dyskinesia 875-A

## P

Pain threshold (Arendt-Nielsen) 508  
Pain-evoked potentials (Arendt-Nielsen) 508  
Painful stimulation (Kakigi) 1193  
Pain-related SEPs (Kakigi) 441  
Palmar cutaneous branch (Chang) 1173  
Pancuronium (Besser) 1197  
Paralysis 877-A  
Paralysis, periodic 886-A  
Paralysis, periodic (Ruff) 838  
Paraneoplastic syndrome (Oh) 152  
Paraspinal muscle electromyography 888-A  
Paraspinal muscles 888-A  
Parkinsonism 874-A  
Parvalbumin (Greaves) 543  
Patch clamp (Franke) 762  
Pathophysiology (Palmer) 124  
Peripheral arterial disease 891-A  
Peripheral nerve (Hallin) 157  
(Leis) 1202  
Peripheral neuropathies (Kakigi) 441  
Peripheral neuropathy 914-A  
(Kennedy) 1231  
(Shields) 370  
Peroneal nerve injury 880-A  
Pes cavus foot deformity (Baquis) 784-L  
Phase cancellation (Winkler) 133  
Phrenic nerve (Jammes) 27  
Phrenic nerve injury 882-A, 883-A  
Phrenic neuropathy 883-A  
Physical examination (Gerr) 1059  
Plantar nerve (Dumitru) 665  
Plasma exchange (Sales-Luis) 377-L  
POEMS (Kakigi) 441  
Poliomyelitis (Rodriguez) 429  
(So) 1159  
Polyglucosan body (Cafferty) 102  
Polymyositis (Fujino) 716  
(Robinson) 310  
Polyneuropathy 907-A  
(Bromberg) 968  
Polyneuropathy, in lithium intoxication (Moore) 578-L  
(Vanhooren) 578-L  
Polyneuropathy in renal failure 909-A  
Pompe's disease (Verity) 435  
Pontine tumors (Gutmann) 1043  
Postfixed (Phillips) 1213  
Postural adjustment 874-A  
Potassium channels (Gordon) 640  
Preembedding method (Bornemann) 1177  
Prefixed (Phillips) 1213  
Premotor potential 899-A, 901-A

Presynaptic mechanisms of neuromuscular transmission (Trontelj) 226  
Primary lateral sclerosis 876-A  
Prognosis (Van der Meché) 997  
Propagation velocity (Pelosi) 253  
Protease inhibitor (Nakamura) 701  
Protein breakdown (Nakamura) 701  
Proximal F wave velocity 902-A  
Pseudoxanthoma elasticum (Lawrence) 1036-L  
Ptosis (Breen) 863  
Pudendal nerve (Clawson) 845

## Q

Quadriceps (Sipilä) 527  
Quantitative comparison (Chan) 1028  
Quantitative EMG (Jabre) 820  
(Nandedkar) 8

## R

Rabbit (Jammes) 27  
Rabbit tibial nerve (Kennett) 553, 960  
Radial nerve palsies 878-A  
Radial neuropathies 879-A  
Radiation plexopathy (Gutmann) 1043  
Radiculopathy 888-A, 889-A, 890-A (Haig) 521  
Rattlesnake venom (Gutmann) 1043  
Real-time sonography (Gunreben) 654  
Regenerating unit (Mackinnon) 1116  
Regeneration (Baker) 348  
(Gordon) 640  
(Shefner) 534  
Reinnervation (Stålberg) 293  
Remote effects (Lange) 672  
Renal failure (Bosch) 1036-L  
Repetitive nerve stimulation (Jablecki) 391  
Resealed fiber segments (Franke) 762  
Resting  $[Ca^{2+}]_i$  (Franke) 762  
Retina (Miyatake) 113  
Rimmed vacuoles (Verma) 470  
Risk evaluation (Nokelainen) 451

## S

S-100 protein (Yasuda) 812  
Sacroplasmic reticulum (Gilchrist) 233  
Satellite cells (Baker) 348  
Schwannoma (Yasuda) 812  
Schwartz-Jampel syndrome (Pascuzzi) 1143-L  
(Spaans) 1142-L  
Sciatic nerve (Gordon) 640  
Scoliosis surgery 896-A  
Segmentation (Phillips) 1213  
Sensitivity (Bromberg) 968  
Sensory action potential (Pullman) 709  
(Shefner) 534  
Sensory evoked response amplitude (Pullman) 709  
Sensory nerve (Shefner) 1242

Sensory nerve conduction studies (Clawson) 845  
Sensory nerve temporal dispersion 902-A  
Sensory neurophysiology (Pullman) 709  
Serum creatine kinase (Bertorini) 503  
(Weller) 771  
SFEMG (Stålberg) 293  
"Shaky Legs" syndrome 873-A  
Sickle cell anemia (Shields) 370  
Sign of tincl (Yarnitsky) 379-L  
Silent period (Leis) 1202  
Single fiber electromyography (Chaudhry) 1227  
(Mihelin) 739  
(Trontelj) 226  
Single fiber EMG (Jablecki) 391  
(Jabre) 820  
(Lange) 672  
Skeletal muscle 916-A  
(Greaves) 543  
(McCully) 1091  
(Pernu) 304  
Skeletal muscle cell (Kawai) 342  
Skin-graft donor site mononeuropathy 906-A  
Skinned fiber (Holy) 70  
Skinned human skeletal muscle fibers (Ruff) 1219  
"Slow channel syndrome" (Lawrence) 1036-L  
Sodium channel subtypes (Schotland) 142  
Sodium pump (Fenton) 79  
Soleus 917-A  
Soleus muscle (Anzil) 358  
Somatosensation (Hallin) 157  
Somatosensory-evoked potential (Denys) 795  
(Dumitru) 665  
(Kaji) 783-L  
(Kakigi) 441, 1193  
(Zhu) 721  
(van Dijk) 781-L  
Spaceflight (Holy) 70  
Spasmodic dysphonia 875-A  
Spastic dysphonia 896-A  
Spastic paresis 873-A  
Spasticity (Shahani) 64  
Spatial arrangement (Pernu) 304  
Spike-triggered averaging 876-A  
Spinal accessory neuropathy 878-A  
Spinal artery syndrome 897-A  
Spinal cord (Sirdofsky) 977  
Spinal cord injury (Chang) 990  
Spinal cord motor conduction (Chang) 990  
Spinal cord neuron (Krieger) 14  
Spinal muscular atrophy (Iijima) 1110  
Spinal stenosis (London) 457  
Sprinters (Arenas) 598  
SSEPs (Pelosi) 253  
Statistics (Lexell) 826  
(Robinson) 1084  
Sterilization of EMG needles 885-A  
Steroid-response (Gilchrist) 233  
Stretch reflexes 874-A  
Strontium sensitivity (Ruff) 1219  
Superfast myosin (Hoh) 316, 398



Suprascapular neuropathy 898-A  
 Sural nerve (Pelosi) 253  
 Sural nerve biopsy  
   (Cafferty) 102  
   (Kakigi) 441  
 Sural nerve conduction 900-A  
 Sural nerve grafting (Phillips) 335  
 Surface electromyography (Linssen) 829  
 Sweat test (Ingall) 1080  
 Synaptic region (Miyatake) 113

## T

Tarsal tunnel (Dumitru) 665  
 Tarsal tunnel syndrome 879-A  
 Tarsal tunnel syndrome (Oh) 407  
 Temperature (Denys) 795  
 Temporal dispersion 884-A  
   (Abu-Shakra) 858  
   (Donofrio) 1034-L  
   (Swenson) 1033-L  
 Tenotomy (Baker) 348  
 Tetanus-like syndrome 913-A  
 Thermography  
   (Christiansen) 786-L  
   (So) 787-L  
   (Sucher) 785-L  
 Thick filament (Danon) 1131  
 Thoracic nerve 877-A  
 Thoracic outlet syndrome 897-A  
 Tibial nerve  
   (Kennett) 553  
   (Pelosi) 253  
 Tibial nerve entrapment 880-A  
 Tibial-peroneal innervation 880-A

Tissue biopsy (Siegel) 85-L  
 Tocainide  
   (Bertorini) 1248-L  
   (Clague) 1247-L  
   (Puniani) 280  
 Tomaculous neuropathy (Kakigi) 441  
 Torticollis 895-A  
 Torticollis (Lange) 672  
 Transfection (Usuki) 245  
 Triadic junctions (Bornemann) 1177  
 Tubular aggregates  
   (Gilchrist) 233  
   (Martin) 219  
 Turns and amplitude (Nandedkar) 8  
 Type I muscle fiber predominance  
   (Linssen) 829

## U

Ulnar mononeuropathy 879-A  
 Ulnar nerve 881-A  
   (Arasaki) 647  
   (Iijima) 1110  
   (Phillips) 335  
 Ulnar nerve, elbow (Campbell) 733  
 Ulnar nerve motor latencies 882-A  
 Ulnar neuropathy 906-A, 907-A  
   (Campbell) 678-L  
   (McCoy) 677-L  
   (Miller) 97  
 Ultrasound imaging  
   (Gunreben) 654  
   (Sipilä) 527  
 Undernutrition, prenatal (Ward) 259

UNE (Campbell) 678-L  
 Uni- and bipolar surface recordings  
   (Daube) 1140-L  
   (Winkler) 1141-L  
 Unipolar recording (Winkler) 133  
 Upper motorneuron (Shahani) 64  
 Useless hand syndrome (Naganuma) 953

## V

Validation study (Gerr) 1059  
 Vasculitic neuropathy (Ijichi) 574-L  
 Vasculitic neuropathy 908-A  
 Vasculitic polyneuropathy 912-A  
 Vasculitis (Oh) 152  
 Vector short-latency  
   (Kaji) 783-L  
   (van Dijk) 781-L  
 Velocity recovery function (Mihelin) 739  
 Vercuronium (Danon) 1131  
 Vibromyography (Zwarts) 756  
 Vibrotactile threshold (Gerr) 1059  
 Videofluoroscopy (Palmer) 124  
 Vocal cord paralysis 882-A, 883-A  
 Volume conduction  
   (Dumitru) 605, 981

## W

Waldenström's macroglobulinemia 883-A  
 Wallerian degeneration 873-A  
 Water permeability (Kuwabara) 57

# MUSCLE & NERVE

## AUTHOR INDEX TO VOLUME 14

This index lists, in alphabetical order, the names of authors of all articles, abstracts, and letters. Full citation is provided under the first author only, with reference made from joint authors. Abstracts and letters are distinguished from articles by the following code: A = abstract, L = letter.

### A

Abresch RT, see Shankar K  
 Abu-Shakra SR, Cornblath DR, Avila OL, Chaudhry V, Freimer M, Glass JD, Reim JW, Ronnett GV: Conduction block in diabetic neuropathy, 858  
 Ackmann JJ, Lomas JN, Wertsh, JJ: Effect of disposable and nondisposable needle electrode impedances on motor unit recordings, 917-A  
 Adesina AM, see Verma A  
 Agatiello P, see Gilchrist JM  
 Agre JC, see Black PO  
 see Rodriguez AA  
 Ahmad BK, see Redmond JMT  
 Alanen-Kurki L, see Nokelainen PT  
 Alba HM, see Sable AW  
 Albers JW, see Bromberg MB  
 see Cornblath DR  
 see Donofrio PD  
 AlKawi Z, see Bohlega SA  
 Al-Sulaiman AS, Iyer VG: Does lithium exhibit antimitogenic properties?, 917-A  
 Alves MM, see Sales-Luis ML  
 Amadio S, see Comi G  
 Ambler M, see Gilchrist JM  
 Aminoff MJ, see So YT  
 Anastasiades T, see Semmler RT  
 Andary MT, Fankhauser MJ, Spiegel N, Ritson JL, Hulce VD, Yosef M, Stanton DF: Comparison of sensory and mixed nerve mid-palm studies in carpal tunnel syndrome, 905-A  
 Anderson JE: Dystrophic changes in mdx muscle regenerating from denervation and devascularization, 268  
 Andersson T, see Solders G  
 Angelo J, see Thomas TD  
 Anzil AP, Sancesario G, Massa R, Bernardi G: Myofibrillar disruption in the rabbit soleus muscle after one-week hindlimb suspension, 358  
 Appley A, see Motgi GV  
 Arahata K, see Kaido M  
 see Orimo S  
 Araki S, see Kakigi R  
 Arasaki K, Iijima M, Nakanishi T:

Normal maximal and minimal motor nerve conduction velocities in adults determined by a collision method, 647  
 Arenas J, Ricoy JR, Encinas AR, Pola P, D'Iddio S, Zeviani M, DiDonato S, Corsi M: Carnitine in muscle, serum, and urine of nonprofessional athletes: effects of physical exercise, training, and L-carnitine administration, 598  
 Arendt-Nielsen L, Gregersen H, Toft E, Bjerring P: Involvement of thin afferents in carpal tunnel syndrome: evaluated quantitatively by argon laser stimulation, 508  
 Argov Z, see McCully K  
 Arnold TW, see Oh SJ  
 Ashwal S, see Peterson GW  
 Astruc J, see Campbell WW  
 Avila OL, see Abu-Shakra SR

### B

Badger G, see Bromberg MB  
 Baer GA, Häkkinen W, Talonen PP: Diaphragmatic fatigue produced by constant or modulated electric current, 1034-L  
 Baker JH, Poindexter CE: Muscle regeneration following segmental necrosis in tenotomized muscle fibers, 348  
 Balbi P, see Pelosi L  
 Baldwin N, see Motgi GV  
 Bank W, see McCully K  
 Baquis GD, Kelly JJ, Lieberman A, Wolpert SM: Adult metachromatic leukodystrophy and pes cavus foot deformity, 784-L  
 Baran E, see Stagliano N  
 Barchi RL, see Schotland DL  
 Barker CB, see Binder-MacLeod SA  
 Barr AE, Kroll M: Biomechanical muscle performance, 88-E  
 Barr W, Claussen G, Fesenmeier J, Thomas TD, Pearlman RL, Oh SJ: Respiratory failure as the first manifestation of the Lambert-Eaton syndrome, 914-A  
 Barry DT: AAEM minimonograph #36: basic concepts of electricity and electronics in clinical electromyography, 937  
 Baruah JK: Neuromuscular transmission defect in peripheral neuropathy, 914-A  
 Bastian RW, see Gupta SR  
 Beckley DJ, see Bloem BR  
 Behnia M, Kelly JJ: Role of electromyography in amyotrophic lateral sclerosis, 1236  
 Belda ST, see Litchy WJ  
 Benarroch EE, Opfer-Gehrking TL, Low PA: Use of the photoplethysmographic technique to analyze the valsalva maneuver in normal man, 1165  
 Ben-David E, see Pauzner R  
 Benstead TJ, Heffernan LP, Holness RO, Purdy RA: Non-iatrogenic causes of spinal accessory neuropathy, 878-A  
 Berardelli A, see Priori A  
 Beresford HR, see Vishnubhakat SM  
 Berger AR, see Busis NA  
 Beric A, see Triggs WJ  
 Berli P, Daffertshofer M: Testing of the autonomic nervous system in erectile dysfunction, 909-A  
 Bernardi G, see Anzil AP  
 Bernsen RAJAM, see Oey PL  
 Bertorini T, Puniani TS: Caution in the use of tocainide: a reply, 1247-L  
 Bertorini TE, Palmieri GMA, Griffin J, Igarashi M, Hinton A, Karas JG: Effect of dantrolene in Duchenne muscular dystrophy, 503  
 Bertorini TE, see Puniani TS  
 Berthelin F, see Jammes Y  
 Besser R, see Gutmann L  
 Besser R, Vogt T, Gutmann L, Wessler I: High pancuronium sensitivity of axonal nicotinic-acetylcholine receptors in humans during organophosphate intoxication, 1197  
 Beydoun SR: Misdiagnosis of cytomegalovirus polyradiculopathy, coexisting with HIV neuropathy, 575-L  
 Bianchi E, see Comi G





- Binder-Macleod SA, Barker III CB: Use of a catchlike property of human skeletal muscle to reduce fatigue, 850
- Binkhorst RA, see Linssen WHJP
- Bird SJ, see Chaudhry V
- Bird SJ: Clinical and electrophysiologic improvement in the Lambert-Eaton myasthenic syndrome with intravenous immunoglobulin therapy, 913-A
- Bird SJ, Kaji R, Mollman JE: Somatosensory evoked potentials: a sensitive indicator of cisplatin neuropathy, 913-A
- Bjerring P, see Arendt-Nielsen L
- Black PO, Rodriguez AA, Agre JC: Timing pattern of co-concentration of the proximal lower extremity muscles in patients with spastic muscles in patients with spastic paresis, 873-A
- Blaivas M, see Simmons Z
- Blanco JS, see Phillips LH
- Blatt I, see Pauzner R
- Blei ML, Kushmerick MJ, Odderson LR, Esselman PC: Evaluation of adenosine triphosphate resynthesis capacity in human skeletal muscle, 916-A
- Bless JK, see Rodriguez AA
- see Torbergson T
- Bloem BR, Beckley DJ, Van Dijk JG, Zwiderman AH, Remler MP, Roos R.A.C.: Correction for the influence of background muscle activity on short and medium-latency stretch reflexes in normal man, 874-A
- Blumhardt LD, see Moore AP
- Bogdahn U, see Gunreben G
- Bohlega SA, Cook J, Haider A, Stigsby B, AlKawi Z: Childhood autosomal recessive muscular dystrophy: 918-A
- Bohr TW, see Peterson GW
- Bohr TW, Peterson GW: Acute median neuropathy at the wrist: three unusual variants in a single patient, 905-A
- Bornemann A, Schmalbruch H: Antidystrophin stains of triadic junctions in regenerating rat muscles, 1177
- Bosch EP, Subbiah B, Ross MA: Cholinergic crisis after conventional doses of anticholinesterase medications in chronic renal failure, 1036-L
- Boylan KB, see Vedanarayanan V
- Bradley WG, see Verma A
- Brashear A, Kincaid JC: The influence of the reference electrode on compound muscle action potential morphology, 884-A
- Brasil-Neto J, see Pascual-Leone A
- see Valls-Solé J
- Breen LA, Gutmann L, Brick JF, Riggs JR: Paradoxical lid elevation with sustained upgaze: a sign of Lambert-Eaton syndrome, 863
- Brick JF, see Breen LA
- Brin MF, see Lange DJ
- Brinkmeier H, see Költgen D
- Bromberg MB, Albers JW: Patterns of sensory conduction abnormalities in inflammatory polyneuropathies, 892-A
- Bromberg MB: Comparison of electrodiagnostic criteria for primary demyelination in chronic polyneuropathy, 968
- Bromberg MB, Fries TJ, Tandan R, Simmons Z, Badger G, Nau K, Fillyaw M: Relationships between motor unit counts and other electromyographic measures in amyotrophic lateral sclerosis, 876-A
- Bromberg MB, see Simmons Z
- Bromberg MB, Simmons Z, Forshe D, Nau K: Reproducibility of motor unit count estimation by the spike-triggered averaging technique, 876-A
- Bronstein AD, see Snowden ML
- Brown WF, see Cornblath DR
- see Komori T
- Brown WF, Veitch JE: Intraoperative studies of conduction in ulnar neuropathies at the elbow: correspondence between different methods to localize the primary conduction abnormalities, 907-A
- Brown WF, Veitch J, Ebers GC, Hudson AJ: Electrophysiologic features of primary lateral sclerosis, 876-A
- Brown WF, Veitch JE, Feasby TE: Preterminal conduction in the acute 'axonal' form of Guillain-Barré syndrome, 892-A
- Brown WF, Watson BV: Electrophysiologic assessment of acute radial nerve palsies: relative contributions of conduction block and axon losses, 878-A
- Brown WF, Watson BV: Quantitation of axon loss and conduction block in peroneal nerve palsies, 237
- Bruyninckx FL, see Busis NA
- Buchman AS, Stebbins GT, Garratt M: Comparing the discomfort caused by monopolar and single fiber electrodes during electromyography, 881-A
- Buchthal F, see Shefner JM
- Burke D, see Crisafulli CM
- Busis NA, Wray SH, Bruyninckx FL, Berger AR, Logigian EL, Levy SR, Shahani BT: Chronic progressive external ophthalmoplegia: correlation of clinical, neurophysiologic and muscle biopsy findings in 20 patients, 918-A
- ## C
- Cafferty MS, Lovelace RE, Hays AP, Servidei S, Dimauro S, Rowland LP: Polyglucosan body disease, 102
- Caldara R, see Comi G
- Calne DB, see McManis PG
- Campbell W: Sparing of the flexor carpi ulnaris in ulnar neuropathy at the elbow: a reply, 678-L
- Campbell WW, see Motgi GV
- see Pridgeon RM
- Campbell WW, Pridgeon RM, Riaz G, Astruc J, Sahni KS: Variations in anatomy of the ulnar nerve at the cubital tunnel: pitfalls in the diagnosis of ulnar neuropathy at the elbow, 733
- Canal N, see Comi G
- Carcco RQ, see Pelosi L
- Cardenas DD, see Clawson DR
- Carmant L, Veilleux MG: Spontaneous anterior interosseous neuropathy in the postpartum period, 878-A
- Carpenter S, see Danon MJ
- see Weller B
- Carpenter S, Karpati G: Dystrophin is localized to the plasma membrane of human muscle skeletal fibers by electron-microscopic cytochemical study: a reply, 577-L
- Carry MR, see England JD
- Carton H, see Vanhooren G
- Caruso G, see Pelosi L
- Carvalho M, see Sales-Luis ML
- Cavasin R, see Galea V
- Chad DA: Hereditary motor and sensory neuropathy: a reply, 86-L
- Chalk C, see Squier M
- Chan J, see Veilleux MG
- Chan RC, Hsu TC: Quantitative comparison of motor unit potential parameters between monopolar and concentric needles, 1028
- Chan RC, see Pan SH
- Chance B, see McCully K
- Chang C-W, Lien I-N: Comparison of sensory nerve conduction in the palmar cutaneous branch and first digital branch and first digital branch of the median nerve: a new diagnostic method for carpal tunnel syndrome, 1173
- Chang C-W, Lien I-N: Estimate of motor conduction in human spinal cord: slowed conduction in spinal cord injury, 990
- Chaudhry V, see Abu-Shakra SR
- Chaudhry V, Cornblath DR: Wallerian degeneration in human nerves, 873-A
- Chaudhry V, Crawford TO, DeRossett SE: Thermal sensitivity of demyelinating neuropathy, 908-A
- Chaudhry V, Watson DF, Bird SJ, Cornblath DR: Stimulated single-fiber electromyography in Lambert-Eaton myasthenic syndrome, 1227
- Cherington C, see Cherington M
- Cherington M, Cherington C: Thoracic outlet syndrome: reimbursement patterns, 897-A
- Chi JG, see Sohn YH
- Cho DS, Cho MJ: Carpal tunnel syndrome: significance of the amplitude reduction of the median motor nerve evoked compound action potential, 903-A
- Cho MJ, see Cho DS
- Christiansen J: Comparison of thermography and electromyography, 786-L
- Citak KA, see Simpson DM
- see Sivak M
- Clague JE, Edwards RHT: Caution in the use of tocanide, 1247-L
- Clark M, see Shields RW
- Claussen G, see Barr W
- Clawson DR, Cardenas DD: Dorsal nerve of the penis nerve conduction velocity: a new technique, 845

Cohen LG, see Pascual-Leone A  
 see Valls-Solé J  
 Collett P, see Jammes Y  
 Collins KM, Peterson KD: Suprascapular neuropathy after weight lifting, 898-A  
 Comi G, Galardi G, Amadio S, Bianchi E, Secchi A, Martinenghi S, Caldara R, Pozza G, Canal N: Neurophysiologic study of the effect of combined kidney and pancreas transplantation on diabetic neuropathy: a two-year follow-up evaluation, 911-A  
 Contreras-Urby D, see Kalantri A  
 Conway R, see Kumar P  
 Cook J, see Bohlega SA  
 Cooke TH, see Kraft GH  
 Cooper B, see McCully K  
 Cornacchia L, see Swenson MR  
 Cornacchia L, Swenson MR, Gulevich SJ: Tarsal tunnel syndrome: anatomy and electrodiagnosis, 879-A  
 Cornblath DR, see Abu-Shakra SR  
 see Chaudhry V  
 see Vedanarayanan V  
 Cornblath DR, Sumner AJ: Conduction block in neuropathies with necrotizing vasculitis, 185-L  
 Cornblath DR, Sumner AJ, Daube J, Gilliat RW, Brown WF, Parry GJ, Albers JW, Miller RG, Petajan J: Conduction block in clinical practice, 869  
 Corsi M, see Arenas J  
 Costigan D, Tindall S, Rossi J, Lexow S: Tibial nerve entrapment by the tendinous arch of origin of the soleus muscle: diagnostic difficulties, 880-A  
 Cracco JB, see Pelosi L  
 Crawford TO, see Chaudhry V  
 Crisafulli CM, Burke D, Saadeh PB, Donnenfeld H, Wolf E: Neurofibromatosis mimicking motor neuron disease, 886-A  
 Crisafulli CM, Saadeh PB, Wolf E: Phrenic nerve conduction studies and needle electromyography of the diaphragm in acute inflammatory demyelinating neuropathy, 893-A  
 Cros DP, see Siao P  
 see Triggs WJ  
 Crout BO, see Rivner H  
 see Rivner MH  
 Cruccu G, see Priori A  
 Culver Jr JE, see Mitsumoto H  
 Czerniecki JM, see Gitter AJ

## D

Daffertshofer M, see Berlitz P  
 Dang N, see Luciano CA  
 see Stone DA  
 see Valls-Solé J  
 Danon MJ: Review of Post-Polio Syndrome, 788-B  
 Danon MJ, Carpenter S: Myopathy with thick filament (myosin) loss following prolonged paralysis with vecuronium during steroid treatment, 1131  
 Dansereau G, see Huard J  
 Dantes M, McComas A: The extent and time course of motoneuron

involvement in amyotrophic lateral sclerosis, 416  
 Daube J, see Cornblath DR  
 Daube JR, see Lachance DH  
 see Normand MM  
 Daube JR: AAEM minimonograph #11: needle examination in clinical electromyography, 685  
 Daube JR: Uni-and bipolar surface recordings of human nerve responses, 1140-L  
 D'Auria R, see Fesenmeier J  
 David WS, Kupsky WJ, Jones Jr HR: Electromyographic and histologic evaluation of the arthrogryptic infant, 897-A  
 Day BJ, see Siao P  
 De Bruin H, see Galea V  
 DeGroot D, see Gitter AJ  
 Dehaene I, see Vanhooren G  
 Delia MM, see Lagueny A  
 Delia P, see Lagueny A  
 DeLisa JA, see Dumitru D  
 Dellon AL, see Mackinnon SE  
 Del Toro DR, see Park TA  
 see Sable AW  
 Del Toro DR, Park TA, Sable AW, Wertsch JJ: Development of a model of the premotor potential, 899-A  
 Denys EH: AAEM minimonograph #14: the influence of temperature in clinical neurophysiology, 795  
 DeRossett SE, see Chaudhry V  
 Devroede G, see Lebel ML  
 D'Iddio S, see Arenas J  
 DiDonato S, see Arenas J  
 Dierschke B, see Dumitru D  
 Dietzen C, see Fesenmeier J  
 Dimauro S, see Cafferty MS  
 Distad BJ, see Maselli RA  
 Donnenfeld H, see Crisafulli CM  
 Donofrio PD, Albers JW: Dispersion or block? a reply, 1034-L  
 Donofrio PD, see Thomas TD  
 DosRemedios E, see Gilchrist JM  
 DosRemedios E, Gilchrist JM: Reliability of lower-extremity sensory nerve techniques, 899-A  
 Dotson RM, Sulaiman AR, Kinder D: Colchicine myopathy-neuropathy: inflammation and gammopathy, 919-A  
 Dowling J, see Leedham JS  
 see Portfors C  
 Doyu M, see Yasuda T  
 Dufresne MJ, see Greaves DS  
 Dumitru D, DeLisa JA: AAEM minimonograph #10: volume conduction, 605  
 Dumitru D, Kalantri A, Dierschke B: Somatosensory evoked potentials of the medial and lateral plantar and calcaneal nerves, 665  
 Dumitru D, King JC: Far field potentials in muscle, 981  
 Dunne JW, McManis PG: Do we need a more sensitive test for carpal tunnel syndrome, 904-A  
 Dunne JW, Reutens DC, Newman M: Phrenic nerve injury in open heart surgery, 883-A  
 Dunne JW, Stewart-Wynne EG: Neurologic improvement of

adrenomyeloneuropathy after steroid replacement therapy, 887-A  
 Durandea A, see Lagueny A  
 Dyck PJ, see Kirk VH  
 see Litchy WJ

## E

Ebers GC, see Brown WF  
 Edwards RHT, see Clague JE  
 Eerbeek O, Kernell D: External recording of twitch time course in cat ankle muscles, 422  
 Eisen AA, Pant B, Kim S: Amyotrophic lateral sclerosis a disease of the corticomotoneuron?: evidence derived from cortical stimulation, 875-A  
 Eisen AA, see Pant B  
 see Travlos A  
 Ekedahl R, see Hallin RG  
 Emori T, see Leis AA  
 Encinas AR, see Arenas J  
 Endo C, see Kakigi R  
 England JD, Regensteiner JG, Ringel SP, Carry MR, Hiatt WR: Muscle denervation in symptomatic peripheral arterial disease, 891-A  
 England JD, see London SF  
 Enoka RM, see Robinson GA  
 Erzen I, see Pernus F  
 Esselman PC, see Brei ML  
 Esselman PC, Tomski MA: Isolated deep peroneal nerve injury as a complication of arthroscopic surgery of the knee, 880-A  
 Estes ML, see Mitsumoto H

## F

Fackrell HB, see Greaves DS  
 Fahn S, see Lange DJ  
 Fankhauser DO, see Andary MT  
 Farfel Z, see Pauzner R  
 Farraye J, see Gerr F  
 Fawcett S, see Galea V  
 Feasby TE, see Brown WF  
 Feingold M, see Redmond JMT  
 Feldman EL, see Simmons Z  
 Felice KJ, Jones Jr HR: Ulnar mononeuropathy in children: a clinical and electromyographic study, 879-A  
 Fenton J, Garner S, McComas AJ: Abnormal M-wave responses during exercise in myotonic muscular dystrophy: a Na<sup>+</sup>-K<sup>+</sup> pump defect?, 79  
 Fesenmeier J, see Barr W  
 Fesenmeier J, Dietzen C, D'Auria R, Oh SJ: Electrophysiologic findings in benign congenital myopathies, 918-A  
 Fieles W, see Schotland DL  
 Fillyaw M, see Bromberg MB  
 Fischbeck KH, see McGuire SA  
 Fisher MA: Inhibition of motoneuron discharge by peripheral nerve stimulation: an F response analysis, 120  
 Flood KM, Guillian M: Incidence of finding fibrillation potentials in the opponens pollicis muscle in cases of

carpal tunnel syndrome diagnosed by nerve conduction studies, 904-A

Ford CN, see Rodriguez AA

Forshaw D, see Bromberg MB

Frank O, see Hallin RG

Franke C, Iazzo PA, Hatt H, Spittelmeister W, Ricker K, Lehmann-Horn F: Altered Na<sup>+</sup> channel activity and reduced Cl<sup>-</sup> conductance cause hyperexcitability in recessive generalized myotonia (Becker), 762

Franke CL, see Vredevelde JW

Franssen H, see Oey PL

Fraser JL, Olney RK: The relative diagnostic sensitivity of different F-wave parameters in various neuropathies, 912-A

Freedman W, see Stagliano N

Freimer M, see Abu-Shakra SR

Fries TJ, see Bromberg MB

Fuglsang-Frederiksen A, Sjø O, Winkel H: Quantitative electromyography as a guide for botulinum toxin treatment of torticollis patients, 895-A

Fuhr P, see Matsumoto JY

Fujimoto WY, see Robinson LR

Fujino H, Kobayashi T, Goto I, Onitsuka H: Magnetic resonance imaging of the muscles in patients with polymyositis and dermatomyositis, 716

**G**

Galardi G, see Comi G

Galea V, De Bruin H, Cavin R, McComas AJ: The numbers and relative sizes of motor units estimated by computer, 1123

Galea V, McComas AJ: Tetanic stimulation of the human soleus, 917-A

Galea V, Quartly C, Fawcett S, Groves J, and McComas AJ: Automated motor unit estimation in a man with cramps and fasciculations, 917-A

Galvão M, see Sales-Luis ML

Gao L, see Kennedy JM

Garcia CA, see Parry GJC

Garner S, see Fenton J

Garratt M, see Buchman AS

Genkins G, see Sivak M

George T, see Vedanarayanan V

Gerr FE, see Letz R

Gerr F, Letz R, Hershman D, Farraye J, Simpson D: Comparison of vibrotactile thresholds with physical examination and electrophysiological assessment, 1059

Giampolo AJ, Giuliana MJ: The spectrum of isolated diffuse abnormal insertional activity, 919-A

Giger U, see McCully K

Gilchrist JM, Ambler M, Agatiello P: Steroid-responsive tubular aggregate myopathy, 233

Gilchrist JM, see DosRemedios E

Gilchrist JM, DosRemedios E, Grossman J, Kroessler K: Preoperative prediction of outcome in carpal tunnel syndrome, 904-A

Gilevich SJ, see Cornacchia L

Gilliat RW, see Cornblath DR

see Kennett RP

see Luciano CA

see Stone DA

Ginjaar IB, see Wessels A

Gitter AJ, Czerniecki JM, DeGroot D: Muscle force and electromyographic activity relationship using fractal dimension analysis, 884-A

Giuliani MJ, Peterson AR: Palmar versus digit-four testing in carpal tunnel syndrome, 901-A

Giuliani MJ, see Giampolo AJ

see Peterson AR

Given W, see Vishnubhakata SM

Glass JD, see Abu-Shakra SR

Goldstein BS, see Little JW

Gominak SC, see Triggs WJ

Gordon C, see Motgi GV

Gordon TR, Kocsis JD, Waxman SG: TEA-sensitive potassium channels and inward rectification in regenerated rat sciatic nerve, 640

Goto I, see Fujino H

Gottlieb AJ, see Krendel DA

Goyne C, see Vazquez G

Grandmaison F, see Lebel ML

Gray AB, see Martin JE

Greaves DS, Dufresne MJ, Fackrell HB, Warner AH: Age-related changes and tissue distribution of parvalbumin in normal and dystrophic mice of strain 129 REJ, 543

Greene PE, see Lange DJ

Gregersen H, see Arendt-Nielsen L

Griffin J, see Bertorini TE

Griffin JW, see Vedanarayanan V

Grossman J, see Gilchrist JM

Gross PT: Frontalis muscle single fiber electromyography in the evaluation of suspected myasthenia gravis, 915-A

Grover W, see Triggs WJ

Groves J, see Galea V

Guilliani M, see Flood KM

Gulevich SJ, see Cornacchia L

Gunreben G, Bogdahn U: Real-time sonography of acute and chronic muscle denervation, 654

Gupta SR, Bastian RW: Use of laryngeal electromyography in prediction of recovery after vocal cord paralysis, 883-A

Gutmann L, see Besser R

see Breen LA

see Hopf HC

Gutmann L: AAEM minimonograph #37: facial and limb myokymia, 1043

Gutmann L, Besser R: Electrophysiology of acetylcholinesterase inhibition in myasthenia gravis, 86-L

## H

Haas LF, see Winkler T

Haider A, see Bohlega SA

Haig AJ, Mofroid M, Henry S, Haugh L, Pope M: A technique for needle localization in paraspinal muscles with cadaveric confirmation, 521

Haig AJ, see Sable AW

Häkkinen W, see Baer GA

Haldeman S, see Zhu Y

Hallett M, see Matsumoto JY

see Pascual-Leone A

see Topka HR

see Valls-Solé J

Hallin RG, Ekedahl R, Frank O: Segregation by modality of myelinated and unmyelinated fibers in human sensory nerve fascicles, 157

Harati Y, see Kolimas RJ

Harmon RL, see Rodriguez AA

Harper CM: AAEM case report #21: hemifacial spasm: preoperative diagnosis and intraoperative management, 213

Harper PS, see Smith RA

Harrell L, see Oh SJ

Harris JW, see Shields RW

Haselkorn JK, see Snowden ML

Hashizume Y, see Yasuda T

Hatt H, see Franke C

Hattori M, see Usuki F

Haugh L, see Haig AJ

Hawley RJ, see Sirdofsky MD

Hays AP, see Cafferty MS

Hedaya EV, see Krendel DA

Heffernan LP, see Benstead TJ

Henderson M, Robinson LR, James A: Dorsal ulnar cutaneous handcuff neuropathy, 905-A

Henry S, see Haig AJ

Herkes GK, see McManis PG

Hershman D, see Gerr F

Hiatt WR, see England JD

Higuchi I, see Ijichi T

see Usuki F

Hilton-Jones D, see Squier M

Hinton A, see Bertorini TE

Hiyama E, see Orimo S

Ho LT, see Zochodne DW

Hoffman EP, see Kaido M

Hofmann WW: Comparison of stimulation and insulin effects on denervated mouse soleus muscles, 748

Hoh JFY, Hughes S: Basal lamina and superfast myosin expression in regenerating cat jaw muscle, 398

Hoh JFY, Hughes S: Expression of superfast myosin in aneurally regenerates of cat jaw muscle, 316

Holness RO, see Benstead TJ

Holy X, Mounier Y: Effects of short spaceflights on mechanical characteristics of rat muscles, 70

Hopf HC, Thömke F, Gutmann L: Midbrain vs. pontine medial longitudinal fasciculus lesions: the utilization of masseter and blink reflexes, 326

Horowitz SH, Krarup C: The influence of stimulus utilization time on normal sural nerve conduction, 900-A

Hsu TC, see Chan RC

see Pan SH

Huang SQ: Quantitative analysis of onset motor latency at various sensitivities with automatic pick up, 884-A

Huang SQ, see Wu PB

Huard J, Larbrecque C, Dansereau G, Robitaille L, Tremblay JP: Dystrophin

expression in myotubes formed by the fusion of normal and dystrophic myoblasts, 178

Hudson AJ, see Brown WF  
Hughes S, see Hoh JFY  
Hulce VD, see Andary MT

## I

Iaizzo PA, see Franke C  
Igarashi M, see Bertorini TE  
Iijima M, see Arasaki K  
Iijichi T, Izumo S, Takahashi K, Tashiro A, Higuchi I, Osame M: Lymphocyte subsets in sural nerves from patients with vasculitic neuropathy, 574-L  
Ikeda A, see Kakigi R  
Ikeda T, see Kakigi R  
Ikegawa S, see Kakigi R  
Iijima M, Arasaki K, Iwamoto H, Nakanishi T: Maximal and minimal motor nerve conduction velocities in patients with motor neuron diseases: correlation with age of onset and duration of illness, 1110  
Imajoh-Ohmi S, see Nakamura M  
Ingall TJ, McLeod JG: Autonomic function in hereditary motor and sensory neuropathy (Charcot-Marie-Tooth disease), 1080  
Inghilleri M, see Priori A  
Ito T, see Yasuda T  
Iwamoto H, see Iijima M  
Iyer VG, see Al-Sulaiman AS  
see Tolge C  
Izumo S, see Iijichi T

## J

Jablecki CK: AAEM case report #3: myasthenia gravis, 391  
Jabre JF: Concentric macro electromyography, 820  
Jain S, see Moonis M  
James A, see Henderson M  
James Y, Collett P, Lenoir P, Lama A, Berthelin F, Roussos C: Diaphragmatic fatigue produced by constant or modulated electric currents, 27  
James Y: Diaphragmatic fatigue produced by constant or modulated electric current: a reply, 1035-L  
Jockusch H, see Koltgen D  
Jones HR, see David WS  
see Felice KJ  
Joosten EMG, see Linssen WHJP  
Joyn RL: Chemical sterilization of emg needles, 885-A

## K

Kääriäinen H, see Udd B  
Kaido M, Arahata K, Hoffman EP, Nonaka I, Sugita H: Muscle histology in Becker muscular dystrophy, 1067  
Kaji R, see Bird SJ  
see Kimura J  
Kaji R, Sumner AJ: Vector short-latency somatosensory evoked potentials: reply, 783-L

Kakigi R, Endo C, Neshige R, Kuroda Y, Shibasaki H: Estimation of conduction velocity of Aδ fibers in humans, 1193  
Kakigi R, Shibasaki H, Tanaka K, Ikeda T, Oda K-I, Endo C, Ikeda A, Neshige R, Kuroda Y, Miyata K, Yi S, Ikegawa S, Araki S: CO<sub>2</sub> laser-induced pain-related somatosensory evoked potentials in peripheral neuropathies: correlation between electrophysiological and histopathological findings, 441  
Kakulas BA, see Penegys PK  
Kalantri A, Contreras-Urby D: Comparison of ulnar nerve motor latencies and conduction velocities across flexed and extended elbows, 882-A  
Kalantri A, see Dumitru D  
Kalyan-Raman K, see Kumar J  
Kang UJ, see Lange DJ  
Karas JG, see Bertorini TE  
Karnes JL, see Kirk VH  
see Litchy WJ  
Karpati G, see Carpenter S  
see Weller B  
Kato K, see Yasuda T  
Kawai H, Sebe T, Nishino H, Nishida Y, Saito S: Light and electron microscopic studies on localization of myoglobin in skeletal muscle cells in neuromuscular diseases, 342  
Kawashima S, see Nakamura M  
Keidel M, see Zwarts MJ  
Kelly C, see Wu PB  
Kelly JJ, see Behnia M  
see Baquis GD  
Kennedy JM, Azk R, Gao L: Myosin expression in hypertrophied fast twitch and slow tonic muscles of normal and dystrophic chickens, 166  
Kennedy WR, Navarro X, Stewart NJ: Quantitation of the alternate movement rate in normal and diabetic subjects, 1231  
Kennett RP, Gilliat RW: Nerve conduction studies in experimental non-freezing cold injury: I. local nerve cooling, 553  
Kennett RP, Gilliat RW: Nerve conduction studies in experimental non-freezing cold injury: II. generalized nerve cooling by limb immersion, 960  
Kernell D, see Eerbeck O  
Kihara M, see Low PA  
Kim DE, Kuruoglu HR, Oh SJ: What is the best diagnostic index of conduction block and temporal dispersion?, 884-A  
Kim DE, see Oh SJ  
Kim S, see Eisen AA  
Kim Su, see Krieger C  
Kimm J, see Kumar J  
Kimura J, Kaji R: Comment from the editorial office, 867  
Kincaid JC, see Brashear A  
Kinder D, see Dotson RM  
King JC, see Dumitru D  
Kirchmayer DM, Lee MY, Rothman MI, Roth EJ, MacLean IC: Paraspinal

muscle electromyography: determining guidelines for needle placement using retrospective analysis of magnetic resonance imaging scans, 888-A

Kirk VH, Litchy WJ, Karnes JL, Dyck PJ: Measurement of blink reflexes not useful in detection or characterization of diabetic polyneuropathy, 910-A  
Kleyweg RP, see Oomes PG  
see Van Der Meché FGA  
Kleyweg RP, Van Der Meché FGA, Schmitz PIM: Interobserver agreement in the assessment of muscle strength and functional abilities in Guillain-Barré syndrome, 1103  
Kobayashi T, see Fujino H  
Kocsis JD, see Gordon TR  
Kolimas RJ, Harati Y: Late-onset muscle glycogenosis presenting as motor neuron disease, 886-A  
Költgen D, Brinkmeier H, Jockusch H: Myotonia and neuromuscular transmission in the mouse, 775  
Komori T, Watson BV, Brown WF: Characteristics of single 'F' motor units at different stimulus intensities, 875-A  
Kraft GH, Cooke TH: A new system of needle control in the era of human immunodeficiency virus infection, 885-A  
Kraft GH, see Snowden ML  
Krarup C, see Horowitz SH  
see Shefner JM  
Krendall DA, Hedaya EV, Gottlieb AJ: Calf enlargement, S1 radiculopathy and focal myositis, 889-A  
Kresch E, see Stagliano N  
Krieger C, Kim SU: Neonatal mammalian spinal cord neurons and motoneurons in monolayer culture, 14  
Kroessler K, see Gilchrist JM  
Kroll M, see Barr AE  
Kržan M, Trontelj JV: Study of neuromuscular transmission with axonal stimulation single fiber electromyography in patients treated with botulinum toxin, 915-A  
Kumar P, Conway R, Zafar M: Prognosis of "nonstructural radiculopathy", 888-A  
Kumar J, Kimm J, Kalyan-Raman K: The unusual clustering of patients with muscular pain fasciculation syndrome, 911-A  
Kunci RW, see Vedanarayanan V  
Kupsky WJ, see David WS  
Kuroda Y, see Kakigi R  
Kuruoglu HR, see Kim DE  
Kushmerick MJ, see Blei ML  
Kuwabara T, Yuasa T, Ohno T, Yamamuro M, Miyatake T: Study on the erythrocytes from myotonic dystrophy with multi-nuclear NMR, 57

## L

Laak HJT, see Linssen WHJP  
Label LS: Carpal tunnel syndrome resulting from steering wheel impact, 904-A  
Labrecque C, see Huard J



- Lachance DH, Daube JR: Acute peripheral arterial occlusion: electrophysiologic study of 32 cases, 633
- Laguery A, Deliac MM, Deliac P, Durandeu A: Diagnostic and prognostic value of electrophysiologic tests in meralgia paresthetica, 51
- Lama A, see Jammes Y
- Lamb NL, Patten BM: Clinical correlations of anti-GM1 antibodies in amyotrophic lateral sclerosis and neuropathies, 1021
- Lammens M, see Vanhooren G
- Lange DJ, see Uncini A
- Laterre CE, see Pierre PA
- Lawrence JA: Pseudoxanthoma elasticum and angiod streaks of the retina in a patient with "slow channel syndrome", 1036-L
- Lebel ML, Grandmaison F, Thibault L, Devroede G: Dynamic electromyographic assessment of pelvic floor in 161 patients: Constipated, nonconstipated, and control subjects, 909-A
- Lee MY, see Kirchmayer DM
- Leedham JS, Dowling J: Torque-angle, force-length and electromyographic-angle relationships of the human in-vivo biceps, 893-A
- Lehmann-Horn F, see Franke C
- Leis AA, Ross MA, Emori T, Matsue Y, Saito T: The silent period produced by electrical stimulation of mixed peripheral nerves, 1202
- Lenoir P, see Jammes Y
- Leonard JA, Schultz JS: Radiculopathy: a quality assurance review, 890-A
- Letz R, see Gerr F
- Letz R, Gerr FE, Simpson DM: Toward more rational nerve conduction interpretations: the effect of height, 479-L
- Levin KH, Wilbourn AJ: Diabetic radiculopathy without peripheral neuropathy, 889-A
- Levy SR, see Busis NA
- Lexell J, Taylor C: Fiber density: a fast and accurate way to estimate human muscle fiber areas, 476-L
- Lexell J: "Smoothed histograms": a visual aid for the analysis of distributions of muscle fiber areas, 826
- Lexow S, see Costigan D
- Lieberman A, see Baquis GD
- Lien I-N, see Chang C-W
- Linssen WHJP, Stegeman DF, Joosten EMG, Binkhorst RA, Merks MJH, Laak HJT, Notermans SLH: Fatigue in type I fiber predominance: a muscle force and surface EMG study on the relative role of type I and type II muscle fibers, 829
- Litchy WJ, Belda ST, Karnes JL, Dyck PJ: The high frequency of axon reflexes among diabetics in the Rochester diabetic neuropathy study cohort, 890-A
- Litchy WJ, see Kirk VH
- Little JW, Goldstein BS, Robinson LR: Prolonged cortical inhibition after electromagnetic stimulation of the motor cortex, 894-A
- Logigian EL, see Busis NA
- see Preston DC
- see Shefner JM
- see Wolinsky JS
- Lomas JN, see Ackmann JJ
- Lomas JN, Park TA, Sable AW, Wertsch JJ: Skin-graft donor site mononeuropathy, 906-A
- London SF, England JD: Dynamic F waves in neurogenic claudication, 457
- Lovelace RE, see Cafferty MS
- see Lange DJ
- Low PA, see Benarroch EE
- see Schmelzer JD
- Low PA, Opfer-Gehrking TL, Torres N, Zollman P, Kihara M: Pharmacology of the eccrine sweat gland, 912-A
- Luciano CA, Gilliatt RW, Dang N: Turns analysis in advanced myopathy, 916-A
- Ludwin SK, see Semmler RT
- Lupski JR, see Parry GJG
- M**
- Macfarlane IA, see Moore AP
- Mackinnon SE, Dellon AL, O'Brien JP: Changes in nerve fibre numbers distal to a nerve repair in the rat sciatic nerve model, 1116
- MacLean IC, see Kirchmayer DM
- Maheshwari MC, see Moonis M
- Malamut R, see Parry GJG
- Malone MJ, see Scott TF
- Manfredi M, see Priori A
- Manz H, see Sirdofsky MD
- Markus-Silvis L, see Oomes PG
- Martin JE, Mather K, Swash M, Gray AB: Expression of heat shock protein epitopes in tubular aggregates, 219
- Martinienghi S, see Comi G
- Martinez AC: Diagnostic yield of different electrophysiological methods in carpal tunnel syndrome, 183-L
- Martin-Llonch N, see Ortiz-Arduan A
- Maruyama I, see Usuki F
- Maselli RA: In-vitro study of the neuromuscular transmission failure induced by anticholinesterases, 914-A
- Maselli RA, Mass DP, Distad BJ, Richman DP: Anconeus muscle: a human muscle preparation suitable for in-vitro microelectrodes studies, 1189
- Maselli RA, Soliven BC: Analysis of the organophosphate-induced electromyographic response to repetitive nerve stimulation: paradoxical response to edrophonium and D-tubocurarine, 1182
- Mass DP, see Maselli RA
- Massa R, see Anzil AP
- see Weller B
- Mather K, see Martin JE
- Matsue Y, see Leis AA
- Matsumoto A, see Naganuma M
- Matsumoto JY, Fuhr P, Zeffiro T, Nigro MA, Hallett M: Withdrawal reflexes to nose tapping in hyperkplexia and normal subjects, 894-A
- McComas A, see Dantes M
- McComas AJ: Invited review: motor unit estimation: methods, results, and present status, 585
- McComas AJ, see Fenton J
- see Galea V
- McConnell J, see Tolge C
- McCoy WR, Perry SL: Sparing of the flexor carpi ulnaris in ulnar neuropathy at the elbow, 677-L
- McCully K, Giger U, Argov Z, Valentine B, Cooper B, Chance B, Bank W: Canine x-linked muscular dystrophy studied with in vivo phosphorus magnetic resonance spectroscopy, 1091
- McGillivray C, Sharma S, Rush P: Electrodiagnostic study of the long thoracic nerve, 877-A
- McGuire SA, Fischbeck KH: Autosomal recessive Duchenne-like muscular dystrophy: molecular and histochemical results, 1209
- McHugh MA, see Peterson AR
- McKenna MJ, see Redmond JMT
- McLeod JG, see Ingall TJ
- McManis PG, see Dunne JW
- McManis PG, Sharbough FW: Characteristics of "shaky-legs" syndrome, 873-A
- McManis PG, Wszolek ZK, Herkes GK, Pfeiffer RF, Calne DB, Rodnitzky RL: Tremor studies in patients with rapidly progressive autosomal dominant Parkinsonism and dementia, 874-A
- Melvin JL, see Sable AW
- Mendelson S, see Sivak M
- Merks MJH, see Linssen WHJP
- Metral S: Conduction block in neuropathies with necrotizing vasculitis: a reply, 185-L
- Meulstee J, see Oomes PG
- see Van Der Meché FGA
- Mihelin M, Trontelj JV, Stålberg E: Muscle fiber recovery functions studied with double pulse stimulation, 739
- Miike T, see Miyatake M
- Miller RG: AAEM case report #1: ulnar neuropathy at the elbow, 97
- Miller RG, see Cornblath DR
- Mills KR, see Squier M
- Mitchell DA, see Peterson GW
- Mitsumoto H, Estes ML, Wilbourn AJ, and Culver JE: Localized hypertrophic neuropathy: perineurioma or perineural hyperplasia?, 906-A
- Miyata K, see Kakigi R
- Miyatake M, Miike T, Zhao JE, Yoshioka K, Uchino M, Usuku G: Dystrophin: Localization and presumed function, 113
- Miyatake T, see Kuwabara
- Moffroid M, see Haig AJ
- Mollman JE, see Bird SJ
- Moonis M, Jain S, Verma AK, Maheshwari MC: Periodic paralysis: unusual features—the Indian experience, 886-A
- Moore AP, Macfarlane IA, Blumhardt LD: Polyneuropathy in lithium intoxication, 578-L



Moorman AFM, see Wessels A  
 Morgan RF, see Phillips LH  
 Morin JF, see Veilleux MG  
 Moskowitz CB, see Lange DJ  
 Motgi GV, Campbell WW, Wirth BA,  
 Appley A, Gordon C, Baldwin N:  
 Evaluation of ulnar neuropathy at the  
 elbow by magnetic resonance imaging,  
 intraoperative electroneurography and  
 intraoperative ultrasonography,  
 906-A  
 Mouallem M, see Pautner R  
 Mounier Y, see Holy X

## N

Naganuma M, Shima K, Matsumoto A,  
 Tashiro K: Chronic multifocal  
 demyelinating neuropathy associated  
 with central nervous system  
 demyelination, 953  
 Nager BJ, Parry GJG: Isolated phrenic  
 neuropathy in Waldenström's  
 macroglobulinemia, 883-A  
 Nakamura M, Imajoh-Ohmi S, Suzuki K,  
 Kawashima S: An endogenous  
 inhibitor of calcium-activated neutral  
 protease in umx 7.1 hamster  
 dystrophy, 701  
 Nakanishi T, see Arasaki K  
 see Iijima M  
 Nakano N: Review of *Entrapment  
 Neuropathies (Second Edition)*, 383-B  
 Nandedkar SD, Sanders DB: Clinical  
 neurophysiology updates, volume 2:  
 computer-aided electromyography and  
 expert systems, 187-B  
 Nandedkar SD, Sanders DB: Recording  
 characteristics of monopolar EMG  
 electrodes, 108  
 Nandedkar SD, Sanders DB, Stalberg  
 EV: On the shape of the normal  
 turns—amplitude cloud, 8  
 Nandedkar SD, Savuto P, Schaefer AJ:  
 Recording characteristics of disposable  
 surface EMG electrodes: an "in house"  
 study, 901-A  
 Nau K, see Bromberg MB  
 Navarro X, see Kennedy WR  
 Nayak NN, see Shankar K  
 Neshige R, see Kakigi R  
 Newcombe RG, see Smith RA  
 Newman M, see Dunne JW  
 Newsom-Davis J, see Squier M  
 Nickander KK, see Schmelzer JD  
 Nigro M, see Ward R  
 Nigro MA, see Matsumoto JY  
 Niles L, see Yaar I  
 Nishida Y, see Kawai H  
 Nishino H, see Kawai H  
 Nokelainen PT, Alanen-Kurki L, Somer  
 HVK, Pihko H, Peltonen L:  
 Usefulness of chromosome 19 RFLP  
 haplotypes in the diagnosis of  
 myotonic dystrophy, 451  
 Nonaka I, see Kaido M  
 Normand MM, Daube JR: Preoperative  
 electromyographic/nerve conduction  
 study of facial neuropathy with  
 acoustic neuroma, 877-A  
 Notermans SLH, see Lissen WHJP

## O

O'Brien JP, see Mackinnon SE  
 Ochoa JL, see Yarnitsky D  
 Oda K-I, see Kakigi R  
 Odderson IR, see Brei ML  
 Oey PL, Franssen H, Bernsen RAJAM,  
 Wokke JHJ: Multifocal conduction  
 block in a patient with borrelia  
 burgdorferi infection, 375-L  
 Oh SJ, Arnold TW, Park KH, Kim DE:  
 Electrophysiological improvement  
 following decompression surgery in  
 tarsal tunnel syndrome, 407  
 Oh SJ, see Barr W  
 see Fesenmeier J  
 see Kim DE  
 see Vazquez G  
 Oh SJ: Hereditary motor and sensory  
 neuropathy, 85-L  
 Oh SJ, Kim DE, Kuruoğlu HR:  
 Electrophysiologic and clinical  
 correlation in the Lambert-Eaton  
 myasthenic syndrome, 915-A  
 Oh SJ, Slaughter R, Harrell L:  
 Paraneoplastic vasculitic neuropathy: a  
 treatable neuropathy, 152  
 Ohno T, see Kuwabara  
 Olney RK, see Fraser JL  
 see So YT  
 Onitsuka H, see Fujino H  
 Oomes PG, Van Der Meché FGA,  
 Markus-Silvis L, Meulstee J, Kleyweg  
 RP: In vivo effects of serea from  
 Guillain-Barré subgroups: an  
 electrophysiological and histological  
 study on rat nerves, 1013  
 Opfer-Gehrking TL, see Benarroch EE  
 see Low PA  
 Orimo S, Hiymuta E, Arahata K, Sugita  
 H: Analysis of inflammatory cells and  
 complement C3 in bupivacaine-  
 induced myonecrosis, 515  
 Ortiz-Arduan A, Martin-Llonch N:  
 Supermarket neuropathy, 785-L  
 Osame M, see Iijichi T  
 see Usuki F

## P

Palmer JB, Tippet DC, Wolf JS:  
 Synchronous positive and negative  
 myoclonus due to pontine  
 hemorrhage, 124  
 Palmieri GMA, see Bertorini TE  
 Palmowski A, Reichmann H, Toyka KV:  
 Neurofibromatous neuropathy,  
 478-L  
 Pan SH, Chan RC, Hsu TC: The  
 intra-individual variation of motor  
 fiber latency in patients with carpal  
 tunnel syndrome, 903-A  
 Pant B, see Eisen AA  
 see Travlos A  
 Pant B, Xiang Y, Eisen AA: Coupled  
 knowledge-based artificial intelligence  
 in the diagnosis of disease affecting  
 the hand, 921-A  
 Park KH, see Oh SJ  
 Park TA, see Del Toro DR  
 see Lomas JN  
 Park TA, Del Toro DR, Wertsch JJ: The  
 effect of stimulus duration on the  
 premotor potential, 901-A  
 Park TP, see Sable AW  
 Park TS, see Phillips LH  
 Parker SW, see Shahani BT  
 Parry GJ, see Cornblath DR  
 Parry GJG, Malamut R, Lupski JR, Patel  
 PI, Garcia CA: Nerve conduction  
 studies in hereditary motor and  
 sensory neuropathy, type 1, 891-A  
 see Teasley JE  
 Parry GJG, see Nager BJ  
 Partridge TA: Invited review: myoblast  
 transfer: a possible therapy for  
 inherited myopathies?, 197  
 Partridge TA, see Wakeford S  
 Pascual-Leone A, Cohen LG, VallsSolé J,  
 Brasil-Neto J, Hallett M: Focal  
 movement and postural adjustment:  
 not part of the same cortical motor  
 program, 874-A  
 Pascuzzi RM: Schwartz-Jampel Syndrome  
 with dominant inheritance: a reply,  
 1143-L  
 Patel PI, see Parry GJG  
 Patten BM, see Lamb NL  
 Pautner R, Blatt I, Mouallem M,  
 Ben-David E, Farfel Z, Sadeh M:  
 Mitochondrial abnormalities in  
 oculopharyngeal muscular dystrophy,  
 947  
 Pearlman RL, see Barr W  
 Pelosi L, Caruso G, Cracco RQ, Cracco  
 JB, Balbi P: Intraoperative recordings  
 of spinal somatosensory evoked  
 potentials to tibial nerve and sural  
 nerve stimulation, 253  
 Peltonen L, see Nokelainen PT  
 Pendlebury WW, see Verma A  
 Penegres PK, Kakulas BA: The natural  
 history of minicore-multicore  
 myopathy, 411  
 Pernu F, Erzen I: Arrangement of fiber  
 types within fascicles of human vastus  
 lateralis muscle, 304  
 Perry SL, see McCoy WR  
 Persing JA, see Phillips LH  
 Persson A, see Solders G  
 Pestronk A: Invited review: motor  
 neuropathies, motor neuron disorders,  
 and antiglycolipid antibodies, 927  
 Petajan J, see Cornblath DR  
 Petajan JH: AAEM Minimonograph #3:  
 motor unit recruitment, 489  
 Peterson AR, see Giuliani MJ  
 Peterson AR, Giuliani MJ, McHugh MA,  
 Shipe CC: Variations in dorsomedial  
 hand innervation: electrodiagnostic  
 implications, 881-A  
 Peterson GW, see Bohr TW  
 Peterson GW, Bohr TW, Smith DC,  
 Mitchell DA: Electrodiagnostic findings  
 in medial brachial fascial compartment  
 syndrome: neuropathies following  
 transaxillary arteriography, 899-A  
 Peterson GW, Bohr TW, Yamada S,  
 Ashwal S: Obstetrical paralysis:  
 combined nerve root avulsion and  
 brachial plexopathy confirmed by  
 nerve conduction studies in neonatal  
 flail limb, 898-A

Peterson KD, see Collins KM  
 Pfeiffer RF, see McManis PG  
 Phillips LH, Morgan RF: Tibial-peroneal anomalous innervation demonstrated by intraoperative nerve conduction studies, 880-A  
 Phillips LH, Park TS: Electrophysiologic mapping of the segmental anatomy of the muscles of the lower extremity, 1213  
 Phillips LH, Persing JA, Vandenberg SR: Electrophysiological findings in localized hypertrophic mononeuropathy, 335  
 Phillips LH, Sussman MD, Blanco JS: Direct spinal cord stimulation for intraoperative monitoring during scoliosis surgery, 896-A  
 Pierre PA, Laterre CE, Van Den Bergh PY: Neuralgic amyotrophy with involvement of cranial nerves IX, X, XI and XII, 88-E  
 Piessens F, see Vanhooren G  
 Pihko H, see Nokelainen PT  
 Poindexter CE, see Baker JH  
 Pola P, see Arenas J  
 Pope M, see Haig AJ  
 Portfors C, Dowling J: Reliability of the double-differential technique is assessing electromyographic crosstalk, 894-A  
 Potts FA, see Shefner JM  
 Poulou KP, see Venkatesh R  
 Pozza G, see Comi G  
 Prasad N, see Zisfein J  
 Preston DC, Logigian EL: Guillain-Barre syndrome during high-dose methylprednisolone therapy, 378-L  
 Preston DC, Logigian EL: Lumbrical and interosseus recording in carpal tunnel syndrome, 903-A  
 Pridgeon RM, see Campbell WW  
 Pridgeon RM, Campbell WW: Evaluating focal neuropathies: the long and short of it, 881-A  
 Priori A, Berardelli A, Inghilleri M, Cruccu G, Zaccagnini M, Manfredi M: Electrical and magnetic stimulation of the accessory nerve at the base of the skull, 477-L  
 Pullman SL, Rubin M: Large amplitude sensory action potentials in myelopathy: an observation, 709  
 Puniani TS, see Bertorini T  
 Puniani TS, Bertorini TE: Tocainide therapy in muscle cramps and spasms due to neuromuscular disease, 280  
 Purdy RA, see Benstead TJ

## Q

Quartly C, see Galea V

## R

Redmond JMT, McKenna MJ, Feingold M, Ahmad BK: Quantitative sensory testing versus conventional nerve conduction velocity studies in the

evaluation of distal symmetric polyneuropathy in diabetes mellitus, 890-A  
 Regensteiner JG, see England JD  
 Reichmann H, see Palmowski A  
 Reim JW, see Abu-Shakra SR  
 Remler MP, see Bloem BR  
 Reutens DC, see Dunne JW  
 Rhodes KP, see Rivner H  
 see Rivner MH  
 Riaz G, see Campbell WW  
 Richman DP, see Maselli RA  
 Ricker K, see Franke C  
 Ricoy JR, see Arenas J  
 Riggs JR, see Breen LA  
 Ringel SP, see England JD  
 Ritson ML, see Andary MT  
 Rivner MH, Swift TR, Crout BO, Rhodes KP: Toward more rational nerve conduction interpretations: the effect of height: a reply, 381-L, 480-L  
 Robinson GA, Enoka RM, Stuart DG: Immobilization-induced changes in motor unit force and fatigability in the cat, 563  
 Robinson LR, see Henderson M  
 see Little JW  
 Robinson LR: Polymyositis, 310  
 Robinson LR, Stolov WC, Rubner D, Wahl P, Fujimoto WY: Factor analysis: a methodology for data reduction in nerve conduction studies, 910-A  
 Robinson LR, Temkin NR, Fujimoto WY, Stolov WC: Effect of statistical methodology on normal limits in nerve conduction studies, 1084  
 Robitaille L, see Huard J  
 Rodnitzky RL, see McManis PG  
 Rodnitzky RL: Review of *Localization in Clinical Neurology (Second Edition)*, 679-B  
 Rodnitzky RL: Review of *Neurology in Clinical Practice*, 481-B  
 Rodriguez AA, Agre JC: Correlation of motor units with strength and spectral characteristics in polio survivors and controls, 429  
 Rodriguez AA, see Black PO  
 see Wyles JM  
 Rodriguez AA, Ford CN, Bless DM, Harmon RL: Electromyographic assessment in spastic dysphonia prior to vocalis injection with botulinum toxin, 896-A  
 Ronnett GV, see Abu-Shakra SR  
 Roongta SM, see Triggs WJ  
 Roos RAC, see Bloem BR  
 Ropper AH, see Triggs WJ  
 Ross MA, see Bosch EP  
 see Leis AA  
 Rossi J, see Costigan D  
 Roth EJ, see Kirchmayer DM  
 Rothman MI, see Kirchmayer DM  
 Roussos C, see Jammes Y  
 Rowland LP, see Cafferty MS  
 Rubin M, see Lange DJ  
 see Pullman SL  
 Rubner D, see Robinson LR  
 Ruff RL: Calcium-tension relationships of muscle fibers from patients with periodic paralysis, 838

Ruff RL, Whittlesey D: Ca<sup>2+</sup>-Sr-tension relationships and contraction velocities of human muscle fibers, 1219  
 Rush P, see McGillivray C  
 Russell JA: Hypophosphatemia and acute areflexic paralysis, 920-A  
 Russell K, see Wu PBJ

## S

Saadeh PB, see Crisafulli CM  
 Sable AW, see Del Toro DR  
 see Lomas JN  
 Sable AW, Haig AJ, Alba HM, Zhu H, Wertsch JJ: Effect of wire electrode surface area on power spectrum during fatigue, 885-A  
 Sable AW, Wertsch JJ, Park TP, Melvin JL, DelToro DR, Zhu H: Ulnar nerve and median nerve contributions to the thenar compound muscle action potential, 881-A  
 Sadeh M, see Pausner R  
 Sahni KS, see Campbell WW  
 Saito S, see Kawai H  
 Saito T, see Leis AA  
 Sales-Luis ML, Galvão M, Carvalho M, Sousa G, Alves MM, Serrão R: Treatment of familial amyloidotic polyneuropathy (Portuguese type) by plasma exchange, 377-L  
 Salpeter MM, see Wetzel DM  
 Sancesario G, see Anzil AP  
 Sanders DB, see Nandedkar SD  
 see Simpson DM  
 Satya-Murti SX, see Venkatesh R  
 Savuto P, see Nandedkar SD  
 Saydam G, see Tanridag T  
 Schaefer AJ, see Nandedkar SD  
 Schmalbruch H, see Bornemann A  
 Schmelzer JD, Nickander KK, Low PA: The effect of aging on nerve conduction and resistance to ischemic conduction failure in rat peripheral nerve, 912-A  
 Schmitz PIM, see Kleyweg RP  
 Schneider LB, see Wilbourn AJ  
 Schotland DL, Fieles W, Barchi RL: Expression of sodium channel subtypes during development in rat skeletal muscle, 142  
 Schrieffer TN, see Triggs WJ  
 Schultz JS, see Leonard JA  
 Scott RM, see Wolinsky JS  
 Scott TF, Virella-Lopes M, Malone MJ: Hypertriglyceridemia in carnitine palmityl transferase deficiency: lipid profile and treatment with medium chain triglycerides, 676-L  
 Sebe T, see Kawai H  
 Secchi A, see Comi G  
 Seffinger M, see Zhu Y  
 Semmler RT, Ludwin SK, Anastassiades T, Zochodne DW: Diffuse and fulminant electrophysiologic changes in acute vasculitic polyneuropathy, 912-A  
 Semmler RT, see Zochodne DW  
 Sen S, see Tanridag T  
 Serrão R, see Sales-Luis ML  
 Serveidei S, see Cafferty MS

- Shahani BT, see Busis NA  
 see Siao P  
 see Triggs WJ  
 Shahani BT, Wierzbicka MM, Parker SW: Abnormal single motor unit behavior in the upper motor neuron syndrome, 64  
 Shankar K, Nayak NN, Abresch RT: Risk management in electromyography, 900-A  
 Sharbough FW, see McManis PG  
 Sharma S, see McGillivray C  
 Shefner JM, Buchthal F, Krarup C: Antidromically conducted potentials in human sensory nerve, 900-A  
 Shefner JM, Buchthal F, Krarup C: Slowly conducting myelinated fibers in peripheral neuropathy, 534  
 Shefner JM, Potts FA, Logigian EL: Relationship between stimulus strength and the cutaneous silent period, 901-A  
 Shefner JM, Tyler H, Krarup C: Abnormalities in the sensory action potential in patients with amyotrophic lateral sclerosis, 1242  
 Shibusaki H, see Kakigi R  
 Shields RW, Harris JW, Clark M: Mononeuropathy in sickle cell anemia: anatomical and pathophysiological basis for its rarity, 370  
 Shields Jr RW, see Tran TA  
 Shima K, see Naganuma M  
 Shipe CC, see Peterson AR  
 Siao P, Cros DP, Day BJ, Shahani BT: 'Effort' musculoskeletal neuropathy, 879-A  
 Sibert JR, see Smith RA  
 Siegel IM: A new instrument for obtaining tissue biopsy of muscle, 85-L  
 Simmons Z, Blaiwas M, Bromberg MB, Feldman EL: Polyneuropathy associated with IgA monoclonal gammopathy, 907-A  
 Simmons Z, see Bromberg MB  
 Simpson D, see Gerr F  
 Simpson DM, Citak KA, Sanders I: Electrophysiologic analysis of idiopathic vocal cord paralysis and other laryngeal disorders, 882-A  
 Simpson DM, see Letz R  
 Sipilä S, Suominen H: Ultrasound imaging of the quadriceps muscle in elderly athletes and untrained men, 527  
 Sirdofsky MD, Hawley RJ, Manz H: Progressive motor neuron disease associated with electrical injury, 977  
 Sivak M, Citak KA, Mendelson S, Jenkins G: Differences in diagnostic yield in myasthenia gravis with single fiber and regional curare testings, 915-A  
 Sjø O, see Fuglsang-Frederiksen A  
 Slaughter R, see Oh SJ  
 Slonim A, see Vishnubhakat SM  
 Smith DC, see Peterson GW  
 Smith RA, Newcombe RG, Sibert JR, Harper PS: Assessment of locomotor function in young boys with Duchenne muscular dystrophy, 462  
 Snowden ML, Haselkorn JK, Kraft GH, Bronstein AD: Dermatomal somatosensory evoked potentials in lumbosacral spinal stenosis, 890-A  
 So YT, Aminoff MJ, Olney RK: Comparison of thermography and electromyography: a reply, 787-L  
 So YT, Olney RK: AAEM case report #23: acute paralytic poliomyelitis, 1159  
 Sobue G, see Yasuda T  
 Soejima Y, see Usuki F  
 Sofferan R, see Verma A  
 Sohn YH, Sunwoo IN, Chi JG: Acute postganglionic dysautonomia with polyneuropathy, 474-L  
 Solders G, Andersson T, Persson A: Central conduction and autonomic nervous function in HMSN I, 1074  
 Soliven BC, see Maselli RA  
 Somer H, see Udd B  
 Somer HVK, see Nokelainen PT  
 Soni A, see Zisfein J  
 Sousa G, see Sales-Luis ML  
 Spaans F: Schwartz-Jampel Syndrome with dominant inheritance, 1142-L  
 Spiegel N, see Andary MT  
 Spittelmeister W, see Franke C  
 Spitzer AR: Physiologic assessment of hydrocephalus by a battery of evoked potentials, 896-A  
 Spitzer AR, see Ward R  
 Squier M, Chalk C, Hilton-Jones D, Mills KR, Newsom-Davis J: Type 2 fiber predominance in Lambert-Eaton myasthenic syndrome, 625  
 Stagliano N, Baran E, Kresch E, Freedman W: Correlation analysis of movement-related potentials, 895-A  
 Stagliano N, Baran E, Kresch E, Freedman W: Quantitative analysis of the Bereitschaftspotential, 895-A  
 Stålberg E: Electrodiagnostic assessment and monitoring of motor unit changes in disease, 293  
 Stålberg E, see Mihelin M  
 Stalberg EV, see Nandedkar SD  
 see Torbergson T  
 see Trontelj JV  
 see Winkler T  
 Stanton DO, see Andary MT  
 Starr A, see Zhu Y  
 Stebbins GT, see Buchman AS  
 Stegeman DF, see Linssen WHJP  
 Stewart JD: The one-arm dysautonomia syndrome: new evidence that this is a sympathetic postganglionic disorder, 908-A  
 Stewart NJ, see Kennedy WR  
 Stewart-Wynne EG, see Dunne JW  
 Stickland NC, see Ward SS  
 Stigsby B, see Bohlega SA  
 Stolov WC, see Robinson LR  
 Stone DA, Western-Punnonen SM, Gilliat RW, Dang N: Proximal F wave velocity using a digital subtraction technique, 902-A  
 Stuart DG, see Robinson GA  
 Su SH, see Zhu Y  
 Subbiah B, see Bosch EP  
 Sucher BM: Comparison of thermography and electromyography, 785-L  
 Sugita H, see Kaido M  
 see Orimo S  
 Sugiura I, see Yasuda T  
 Sulaiman AR, see Dotson RM  
 Sumner AJ, see Cornblath DR  
 see Kaji R  
 see Teasley JE  
 Sunwoo IN, see Sohn YH  
 Suominen H, see Sipilä S  
 Sussman MD, see Phillips LH  
 Suzuki K, see Nakamura M  
 Swash M, see Martin JE  
 Swenson MR, see Cornacchia L  
 Swenson MR, Cornacchia L: Dispersion or block? 1033-L  
 Swift TR, see Rivner MH
- ## T
- Takahashi K, see Ijichi T  
 Talonen PP, see Baer GA  
 Tanaka K, see Kakigi R  
 Tandan R, see Bromberg MB  
 Tanridag T, Sen S, Saydam G: Polyneuropathy in patients with chronic renal failure receiving hemodialysis, 909-A  
 Tashiro A, see Ijichi T  
 Tashiro K, see Naganuma M  
 Taylor C, see Lexell J  
 Teasley JE, Parry GJ, Sumner AJ: Chronic inflammatory demyelinating polyradiculoneuropathy in children treated with intravenous immunoglobulin, 921-A  
 Temkin NR, see Robinson LR  
 Thibault L, see Lebel ML  
 Thömke F, see Hopf JC  
 Thomas TD, see Barr W  
 Thomas TD, Donofrio PD, Angelo J: Peripheral neuropathy in cold agglutinin disease, 331  
 Tindall S, see Costigan D  
 Tippett DC, see Palmer JB  
 Toft E, see Arendt-Nielsen L  
 Tolge C, Iyer VG, McConnell J: Phrenic nerve injury associated with chiropractic manipulation, 882-A  
 Tomski MA, see Esselman PC  
 Topka HR, Hallett M: Excitability of perioral reflexes in orofacial dyskinesia and spasmodic dysphonia, 875-A  
 Torbergson T, Stålberg E, Bless JK: Nerve-muscle involvement in a large family with mitochondrial cytopathy: electrophysiological studies, 35  
 Torres N, see Low PA  
 Torres SS, see Yagnik PM  
 Toyka KV, see Palmowski A  
 Tran TA, Shields Jr RW, Wilbourn AJ: Iatrogenic femoral neuropathy following pelvic surgery and vaginal delivery, 907-A  
 Travlos A, Pant B, Eisen AA: Value of transcranial magnetic stimulation for detecting preclinical cervical spondylotic myelopathy, 889-A  
 Tremblay JP, see Huard J  
 Triggs WJ, Beric A: Giant somatosensory evoked potentials in a patient with the anterior spinal artery syndrome, 897-A

Triggs WJ, Gominak SC, Cros DP, Zuniga G, Beric A, Grover W, Shahani BT, Price L, Ropper AH, Roongta SM, Schrier TN: Inexcitable motor nerves and low amplitude motor responses in the Guillain-Barré syndrome: distal conduction block or severe axonal degeneration?, 892-A  
 Trontelj JV: Is supernormal muscle propagation velocity due to contraction?, 920-A  
 Trontelj JV, see Kržan M  
 see Mihelin M  
 Trontelj JV, Stålberg E: Single motor end-plates in myasthenia gravis and LEMs at different firing rates, 226  
 Tyler H, see Shefner JM

## U

Uchino M, see Miyatake M  
 Udd B, Kääriäinen H, Somer H: Muscular dystrophy with separate clinical phenotypes in a large family, 1050  
 Uncini A, Lange DJ: Diagnostic yield of different electrophysiological methods in carpal tunnel syndrome: a reply, 184-L  
 Usuku G, see Miyatake M  
 Usuki F, Higuchi I, Soejima Y, Hattori M, Maruyama I, Osame M: Human acid maltase-deficient myogenic cell transformation with origin-defective SV40: characterization of a cloned line, 245

## V

Valentine B, see McCully K  
 Valls-Solé J, Brasil-Neto J, Pascual-Leone A, Dang N, Cohen LG, Hallett M: Changes in motoneuron excitability before voluntary movement, 876-A  
 Valls-Solé J, see Pascual-Leone A  
 Valls-Solé J: Martin-Gruber anastomosis and unusual sensory innervation of the fingers: report of a case, 1099  
 Van Den Bergh PY, see Pierre PA  
 Van Der Meché FGA, see Kleyweg RP  
 see Oomes PG  
 Van Der Meché FGA, Meulstee J, Kleyweg RP: Axonal damage in Guillain-Barré syndrome, 997  
 Van Dijk JG: Toward more rational nerve conduction interpretations: the effect of height, 380-L  
 Van Dijk, JG, see Bloem BR  
 Van Dijk JG: Vector short-latency somatosensory-evoked potentials, 781-L  
 Van Hees J, see Vanhooren G  
 Van Ommen GJB, see Wessels A  
 Van Zandycke M, see Vanhooren G  
 Vandenberg SR, see Phillips LH  
 Vandenberg V, see Vanhooren G  
 Vanhooren G, Dehaene I, Van Zandycke M, Piessens F, Vandenberg V, Van Hees J, Lammens M, Carton H:

Polyneuropathy in lithium intoxication: a reply, 578-L  
 Vedanarayanan V, Boylan KB, George T, Griffin JW, Kuncel RW, Cornblath DR: Tetanus-like syndrome associated with Hodgkins lymphoma: a new paraneoplastic syndrome, 913-A  
 Veilleux MG, see Carmant L  
 Veilleux MG, Chan J, Morin JF: Brachial plexopathy secondary to septic subclavian axillary artery aneurysm, 898-A  
 Veitch JE, see Brown WF  
 Venkatesh R, Satya-Murti SX, Wiens JJ, Poulou KP: Accessory nerve paralysis following carotid endarterectomy, 877-A  
 Verity MA: Infantile Pompe's disease, lipid storage, and partial carnitine deficiency, 435  
 Verma A, Bradley WG, Adesina AM, Sofferman R, Pendlebury WW: Inclusion body myositis with cricopharyngeus muscle involvement and severe dysphagia, 470  
 Verma AK, see Moonis M  
 Virella-Lopes M, see Scott TF  
 Vishnubhakat SM, Beresford HR: Reversible myeloneuropathy of nitrous oxide abuse: serial electrophysiological studies, 22  
 Vishnubhakat SM, Given W, Beresford HR: Neuromuscular manifestations of eosinophilia myalgia syndrome induced by L-tryptophan: long-term follow-up of 12 patients, 886-A  
 Vishnubhakat SM, Slonim A, Beresford HR: Adult glycogen storage diseases: electrophysiological findings in acid maltase deficiency, 887-A  
 Vogt T, see Besser R  
 Vredevelde JW: Single fiber electromyography in Guillain-Barré syndrome, 893-A  
 Vredevelde JW, Franke CL: The somatosensory evoked potential in intracerebral hematoma, 894-A

## W

Wadsworth CT: Review of *Muscle Strength Testing: Instrumented and Non-Instrumented Systems*, 286-B  
 Wahl P, see Robinson LR  
 Wakayama Y: Dystrophin is localized to the plasma membrane of human skeletal muscle fibers by electron-microscopic cytochemical study, 576-L  
 Wakeford S, Watt DJ, Partridge TA: X-irradiation improves mdx mouse muscle as a model of myofiber loss in DMD, 42  
 Walker FO: Review of *Peripheral Neurology: Case Studies in Electrodiagnosis* (Edition 2), 788-B  
 Ward R, Spitzer AR, Nigro M: Assessment of autonomic nervous system function in myotonic dystrophy, 909-A  
 Ward SS, Stickland NC: Why are slow and fast muscles differentially affected during prenatal undernutrition?, 259  
 Warner AH, see Greaves DS  
 Watson BV, see Brown WF  
 see Komori T  
 Watson DF, see Chaudhry V  
 Watt DJ, see Wakeford S  
 Waxman SG, see Gordon TR  
 Weller B, Massa R, Karpati G, Carpenter S: Glucocorticoids and immunosuppressants do not change the prevalence of necrosis and regeneration in mdx skeletal muscles, 771  
 Wertsch JJ, see Ackmann JJ  
 see Del Toro DR  
 see Lomas JN  
 see Park TA  
 see Sable AW  
 Wessels A, Ginjaar IB, Moorman AFM, Van Ommen GJB: Different localization of dystrophin in developing and adult human skeletal muscle, 1  
 Wessler I, see Besser R  
 Westerlund-Punnonen SM, see Stone DA  
 Wetzel DM, Salpeter MM: Fibrillation and accelerated AChR degradation in long-term muscle organ culture, 1003  
 Whittlesey D, see Ruff RL  
 Wiens JJ, see Venkatesh R  
 Wierzbicka MM, see Shahani BT  
 Wilbourn AJ, see Levin KH  
 see Mitumoto H  
 see Tran TA  
 Wilbourn AJ, Schneider LB: Radial neuropathies at or near the spiral groove: electromyographic features, 879-A  
 Winkel H, see Fuglsang-Frederiksen, A  
 Winkler T, Stålberg E, Haas LF: Uni-bipolar surface recording of human nerve responses, 133  
 Winkler T, Stålberg E, Haas LF: Uni-bipolar surface recordings of human nerve responses: a reply, 1141-L  
 Wirth BA, see Motgi GV  
 Wokke JHJ, see Oey PL  
 Wolf E, see Crisafulli CM  
 Wolf JS, see Palmer JB  
 Wolinsky JS, Scott RM, Logigian EL: Dorsal rhizotomy for spasticity in cerebral palsy: a neurophysiologic appraisal, 896-A  
 Wolpert SM, see Baquis GD  
 Wray SH, see Busis NA  
 Wszolek ZK, see McManis PG  
 Wu PBJ, Huang SQ, Russell K: The dorsal ramus myotome: anatomic description and clinical implications in electrodiagnosis, 887-A  
 Wu PBJ, Kelly C, Huang SQ: Sensory nerve temporal dispersion: normative data in an upper extremity conduction study, 902-A  
 Wyles JM, Rodriguez AA: The predictive value of wrist dimension measurement in median sensory latencies in carpal tunnel syndrome, 902-A

# X

Xiang Y, see Pant B

# Y

Yaar I, Niles L: Muscle fiber conduction velocity and mean power spectrum frequency in neuromuscular disorders and fatigue, 920-A

Yaar I, Niles L: Power-modulating component analysis or dip analysis with a twist, 920-A

Yagnik PM, Torres SS: Value of superficial radial sensory conduction study in diabetes mellitus, 910-A

Yamada S, see Peterson GW

Yamamuro M, see Kuwabara

Yarnitsky D, Ochoa J: The sign of tinel can be mediated either by myelinated or unmyelinated primary afferents, 379-L

Yasuda T, Sobue G, Ito T, Doyu M, Sugiura I, Hashizume Y, Kato K:

Human peripheral nerve sheath neoplasm: expression of schwann cell-related markers and their relation to malignant transformation, 812

Vazquez G, Oh SJ, Goynes C: Electrophysiologic findings and sural nerve biopsy in vasculitic neuropathy, 908-A

Yi S, see Kakigi R

Yosef M, see Andary MT

Yoshioka K, see Miyatake M

Yuasa T, see Kuwabara

# Z

Zaccagnini N, see Priori A

Zafar M, see Kumar P

Zak R, see Kennedy JM

Zeffiro T, see Matsumoto JY

Zeviani M, see Arenas J

Zhao JE, see Miyatake M

Zhu H, see Sable AW

Zhu Y, Haldeman S, Su SH, Seffinger M, Starr A: Paraspinal muscle evoked

cerebral potentials in muscle spasm, 919-A

Zhu Y, Starr A: Magnetic stimulation of muscle evokes cerebral potentials, 721

Zisfein J, Soni A, Prasad N:

Electrodiagnosis of prolonged neuromuscular blockade following muscle-relaxant drug therapy, 916-A

Zochodne DW, Ho LT: The influence of guanethidine sympathectomy on diabetic neuropathy in young rats, 891-A

Zochodne DW, see Semmler RT

Zochodne DW, Semmler RT: An acute selective lower limb axonal neuropathy associated with thiamine deficiency: serial electrophysiologic studies, 911-A

Zollman P, see Low PA

Zuniga G, see Triggs WJ

Zwarts MJ, Keidel M: Relationship between electrical and vibratory output of muscle during voluntary contraction and fatigue, 756

Zwinderman AH, see Bloem BR



